

(NASA-CR-170735) AVE/VAS I: 25 MB SOUNDING  
DATA Interim Report (Texas A&M Univ.) 53 p  
HC A04/MF A01 CSCI 04B

N83-24047

Unclas  
G3/47 03485

## NASA CONTRACTOR REPORT

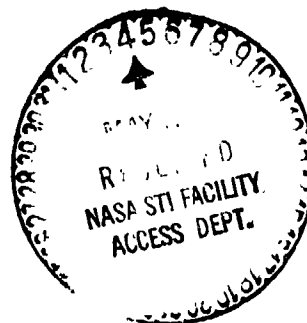
NASA CR-170735

AVE/VAS I: 25 MB SOUNDING DATA

By Meta E. Sienkiewicz  
Texas A&M University  
College Station, Texas 77843

Interim Report, Contract NAS8-34133

March 1983



Prepared for

NASA - GEORGE C. MARSHALL SPACE FLIGHT CENTER  
Marshall Space Flight Center, Alabama 35812

TECHNICAL REPORT STANDARD TITLE PAGE

1. REPORT NO. NASA CR-170735	2. GOVERNMENT ACCESSION NO.	3. RECIPIENT'S CATALOG NO.	
4. TITLE AND SUBTITLE  AVE/VAS I: 25-mb Sounding Data		5. REPORT DATE March 1983	
		6. PERFORMING ORGANIZATION CODE	
7. AUTHOR(S) Meta E. Sienkiewicz		8. PERFORMING ORGANIZATION REPORT #	
9. PERFORMING ORGANIZATION NAME AND ADDRESS  Texas A&M University College Station, Texas 77843		10. WORK UNIT, NO.	
		11. CONTRACT OR GRANT NO. NAS8-34133	
12. SPONSORING AGENCY NAME AND ADDRESS  National Aeronautics and Space Administration Washington, D.C. 20546		13. TYPE OF REPORT & PERIOD COVERED  Contractor (Interim Report)	
		14. SPONSORING AGENCY CODE	
15. SUPPLEMENTARY NOTES Prepared for George C. Marshall Space Flight Center, Marshall Space Flight Center, Alabama 35812 COR: Robert E. Turner			
16. ABSTRACT  <p>This report describes the rawinsonde sounding program for the AVE/VAS I (shakedown) experiment and presents tabulated data at 25-mb intervals for the 13 special rawinsonde stations and 1 National Weather Service station participating in the experiment. Soundings were taken at 1200 and 1800 GMT on February 6, 1982, and at 0000 CMT on February 7, 1982. The method of processing soundings is discussed briefly, estimates of the RMS errors in the data are presented, and an example of contact data is given. Termination pressures of soundings are tabulated, as are observations of ground temperature at a depth of 2 cm.</p> <p style="text-align: center;">ORIGINAL REPORT OF POOR QUALITY.</p>			
17. KEY WORDS  Meteorology Rawinsonde Atmospheric Variability Mesoscale Severe Storms		18. DISTRIBUTION STATEMENT  Unclassified--Unlimited  <i>E. C. W. K. Kanner</i> A. J. Dessler, Director Space Science Laboratory	
19. SECURITY CLASSIF. (of this report)  Unclassified	20. SECURITY CLASSIF. (of this page)  Unclassified	21. NO. OF PAGES  53	22. PRICE  NTIS

ORIGINAL FILE  
OF POOR QUALITY

TABLE OF CONTENTS

	Page
LIST OF FIGURES . . . . .	iv
LIST OF TABLES . . . . .	iv
1. <u>Introduction</u> . . . . .	1
2. <u>AVE/VAS I (Shakedown)</u> . . . . .	1
3. <u>Rawinsonde Data</u> . . . . .	1
3.1 <u>Methods of Processing</u> . . . . .	1
3.2 <u>Accuracy Estimates</u> . . . . .	6
3.3 <u>Presentation of Data</u> . . . . .	8
3.4 <u>Soundings with Abnormal Characteristics</u> . . . . .	8
4. <u>Other Data</u> . . . . .	15
<u>Acknowledgements</u> . . . . .	17
<u>Reference</u> . . . . .	17
APPENDIX I . . . . .	18
APPENDIX II . . . . .	43

PRECEDING PAGE BLANK NOT FILMED

ORIGINAL OF POOR QUALITY

## LIST OF FIGURES

Figure		Page
1	Location of rawinsonde stations participating in AVE/VAS I . . . . .	4

## LIST OF TABLES

Table		Page
1	Listing of operational days and sounding times in the AVE/VAS field experiment . . . . .	2
2	Rawinsonde stations participating in the AVE/VAS field experiment . . . . .	3
3	Locations of special rawinsonde stations participating in AVE/VAS I . . . . .	5
4	Estimates of the RMS errors in thermodynamic quantities of AVE/VAS rawinsonde data . . . . .	7
5	Estimates of the RMS errors in AVE/VAS rawinsonde wind data . . . . .	7
6	Example of AVE/VAS contact sounding data . . . . .	9
7	Explanation of column headings of tabulated sounding data for AVE/VAS I . . . . .	13
8	Launch time (GMT) and termination pressure (mb) for soundings taken for AVE/VAS I . . . . .	14
9	AVE/VAS I soundings with data missing for more than five successive contacts . . . . .	15
10	Ground temperatures ( $^{\circ}\text{C}$ ) at a depth of 2 cm at special rawinsonde stations on February 6-7 1982 .	16

OF POOR QUALITY

AVE/VAS I: 25 MB SOUNDING DATA

by

Meta Sienkiewicz  
Texas A&M University<sup>1</sup>  
College Station, Texas

1. Introduction

The AVE/VAS field experiment was conducted on five operational days during the Spring of 1982. The dates and observation times for this experiment are given in Table 1.

This report is primarily a data document containing rawinsonde data taken in a special meso- $\beta$ -scale rawinsonde network for the first (shakedown) day, AVE/VAS I (6-7 February, 1982). A description of the data processing method, together with the FORTRAN program for computing soundings and an error analysis, have been presented by Fuelberg (1974). A description of the synoptic conditions, observed weather, selected satellite photographs, and summaries of severe and unusual weather will be presented in a separate report.

2. AVE/VAS I (Shakedown)

Thirteen special rawinsonde stations and one National Weather Service station participated in AVE/VAS I. A list of the stations is presented in Table 2 and their locations are shown in Fig. 1. Table 3 gives locations and station heights in the special station network. Soundings were taken at three times: February 6, 1982 at 1200 and 1800 GMT, and February 7, 1982, at 0000 GMT.

3. Rawinsonde Data

3.1 Methods of Processing. All processing of the data (coding, error checking, and final computations) was performed at Texas A&M University.

The procedure used to compute the soundings is the same as that used for previous AVEs and is described by Fuelberg (1974). All keypunched input

---

<sup>1</sup>Research Associate

OF POOR QUALITY

Table 1. Listing of operational days and sounding times in the AVE/VAS field experiment.

Operational Day	Dates	Observation Times
AVE/VAS I (Shakedown *)	6-7 February 1982	2/6 - 12, 18 2/7 - 00
AVE/VAS II	6-7 March 1982	3/6 - 12, 15, 18, 21 3/7 - 00, 03, 06, 12**
AVE/VAS III	27-28 March 1982	3/27 - 12, 15, 18, 21 3/28 - 00, 03, 06, 12**
AVE/VAS IV	24-25 April 1982	4/24 - 12, 15, 18, 21 4/25 - 00, 03, 06, 12**
AVE/VAS V	1-2 May 1982	5/1 - 12, 15, 18, 21 5/2 - 00, 03, 06, 12**
* Meso- $\beta$ network only on shakedown		
** Final 1200 GMT sounding at NWS stations only		

ORIGINAL PAGE IS  
OF POOR QUALITY

Table 2. Rawinsonde stations participating in the AVE/VAS field experiment.

Station Number	Location
<u>Special Stations</u>	
001	Crowell, TX
002	Henrietta, TX
003	Durant, OK
004	Throckmorton, TX
005	Denton, TX
006	Abilene, TX
007	Ennis, TX
008	Brownwood, TX
009	Hewitt, TX
010	Menard, TX
011	Burnet, TX
012	College Station, TX
100	Ft. Hood, TX
<u>NWS Stations</u>	
260	Stephenville, TX

ORIGINAL PLACES  
OF POOR QUALITY

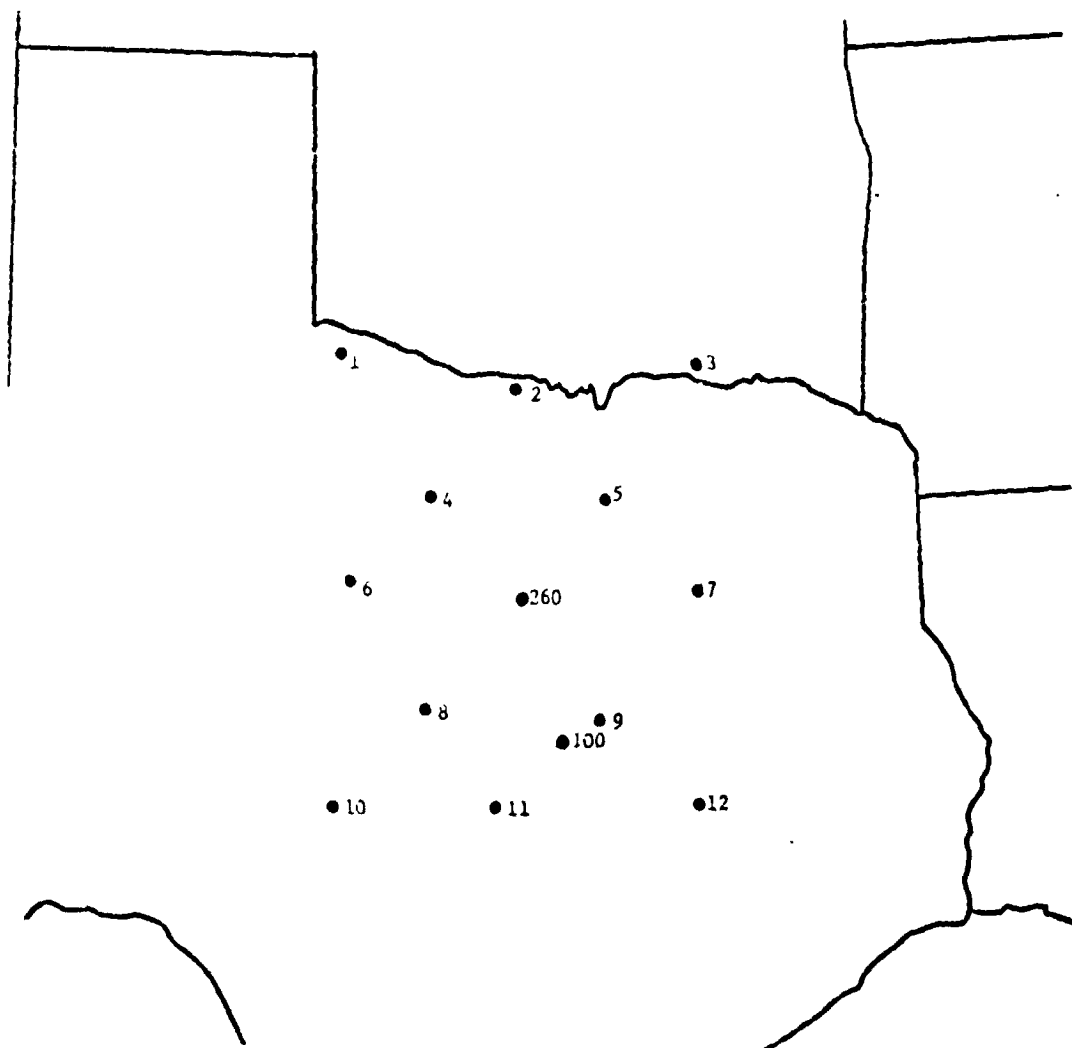


Figure 1. Location of rawinsonde stations participating in AVE/VAS I.



ORIGINAL PAGE IS  
OF POOR QUALITY

Table 3. Locations of special rawinsonde stations  
participating in AVE/VAS I.

Station		Height(m)	Latitude( <sup>o</sup> N)	Longitude( <sup>o</sup> W)
Crowell, TX	(001)	450	33.98	99.71
Henrietta, TX	(002)	288	33.94	98.22
Durant, OK	(003)	211	33.94	96.40
Throckmorton, TX	(004)	405	33.19	99.18
Denton, TX	(005)	193	33.20	97.19
Abilene, TX	(006)	532	32.43	99.69
Ennis, TX	(007)	150	32.33	96.66
Brownwood, TX	(008)	502	31.71	99.10
Hewitt, TX	(009)	184	31.48	97.20
Menard, TX	(010)	588	30.94	99.81
Burnet, TX	(011)	387	30.74	98.23
College Station, TX	(012)	79	30.64	96.47
Ft. Hood, TX	(100)	289	31.10	97.40
Stephenville, TX	(260)	399	32.22	98.18

Old  
OF POC

data were checked for errors by calculating centered differences on the input data. Additional checks included centered differences on computed winds and checks on lapse rates of computed temperatures and dew points. Constant pressure analyses were made using meso- $\beta$ -network data and compared to NWS data received on facsimile and teletype. Suspected errors were checked against the original strip chart information and appropriate corrections made.

The final rawinsonde data set of AVE/VAS I (shakedown) consists of data computed at each pressure contact, while winds were computed from the available 30- or 60-s interval data by means of centered finite differences, and subsequently interpolated to each contact or 25-mb level.

It should be noted that humidity values, including dew point temperatures, were computed only at temperatures above  $-40^{\circ}\text{C}$ ; at temperatures below  $-40^{\circ}\text{C}$ , humidity values are missing and are indicated by a field of nines (e.g., 99.9 or 999.9). Moisture values were computed if the relative humidity exceeded 1%. If the value was below 1%, it was set equal to 1% and used in the computation of other moisture variables. The humidity equations described by Fuelberg (1974) were used in processing data from sondes using the old-type hygristors; computations for sondes with new carbon hygristors were performed using humidity equations currently in use by the National Weather Service.

**3.2 Accuracy Estimates.** Estimates of the r.m.s. errors in the wind and thermodynamic quantities of the AVE/VAS I data are the same as those for all previous /Es and are given by Fuelberg (1974). The error estimates for thermodynamic variables are presented in Table 4.

The r.m.s. errors for wind speed and direction are difficult to describe since they are a function of tracking geometry and other factors. Maximum r.m.s. errors for winds (speed and direction) computed at 30-s intervals (based on the worst geometric tracking configuration) for 10 and 40 degree elevation angles are presented in Table 5. The accuracy of the wind data at pressure contacts at 25-mb intervals is greater than that stated for the 30-s winds because of the added smoothing, and interpolation performed. In addition, the errors stated for the 30-s wind were maxima for the stated conditions.

ORIGINAL DATA IS  
OF POOR QUALITY

Table 4. Estimates of the RMS errors in thermodynamic quantities of AVE/VAS rawinsonde data.

Parameter	Approximate RMS Error
Temperature	0.5°C (Fuelberg's value is 1°C)
Pressure	1.3 mb from surface to 400 mb; 1.1 mb between 400 and 100 mb; 0.7 mb between 100 and 10 mb.
Humidity	10 percent
Pressure Altitude	10 gpm at 500 mb; 20 gpm at 300 mb; 50 gpm at 50 mb.

Table 5. Estimates of RMS errors in AVE/VAS rawinsonde wind data.

Pressure	RMS errors ( $\text{m s}^{-1}$ ) in speed		RMS errors (deg) in direction	
	10 deg el	40 deg el	10 deg el	40 deg el
700	2.5	0.5	9.5	1.3
500	4.5	0.8	13.4	1.8
300	7.8	1.0	18.0	2.5

3.3 Presentation of Data. An example of AVE/VAS I contact data is given in Table 6, with the explanation of column headings in Table 7. The first line of data for time 0.0 minutes is surface data. A series of nines is used to indicate missing data. The three numbers in the upper right-hand corner are the number of pressure levels computed, the minimum pressure obtained (mb), and an angle identifier with the value of 0 for 30-s angle input and 1 for 1-min angle input.

Winds based on low elevation angles are denoted by asterisks. One asterisk denotes elevation angles less than  $10^{\circ}$  but greater than  $6^{\circ}$ , while two asterisks denote angles less than  $6^{\circ}$ . These levels have been specially noted because caution must be exercised in the use of the data; winds computed at low elevation angles are subject to rather large r.m.s. errors.

Levels containing temperatures or times which have been interpolated are also denoted by asterisks. Missing temperatures and times at contacts are replaced by linear interpolation. A limit was set on this interpolation so that it would not extend for more than five contact levels. Interpolation over deeper layers could lead to inaccurate temperatures and geopotential heights, especially if data were missing in a surface inversion or near the tropopause. The deeper layers of missing data which exceed the five contact limit are denoted by two asterisks.

The contact data interpolated to 25-mb intervals are presented in Appendices I and II. The column headings are identical to those used for the contact data and are described in Table 7. The soundings are arranged by station number beginning with the special stations, and appear in ascending order by time for each station. The first line of each sounding is surface data, followed by data from 1,000 to 25 millibars (or to termination) successively. For the 25-mb levels where the pressure is greater than the surface pressure, missing data (nines) are indicated for each quantity. This is also done for 25-mb levels above the sounding termination point.

Table 8 contains a listing of actual sounding launch times and termination pressures for the special soundings taken for AVE/VAS I.

3.4 Soundings with Abnormal Characteristics. The sounding data collected during AVE/VAS I are generally of good quality following the processing and rigorous error checking. It is difficult to determine whether any

ORIGINAL RECORDS  
OF POOR QUALITY

Table 6. Example of AVE/VAS contact sounding data.

STATION NO 1 CROWELL, TEXAS 6 FEBRUARY 1982 1723 GMT															143 47 0		
TIME MIN	CHTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE MM	AZ DG		
0 6	2	249 9	988 6	-5 0	-18 7	350 0	1 0	0 2	-1 0	269 2	271 6	0 9	33 0	0 0	0		
0 7	10	512 2	975 0	-5 0	99 9	999 9	99 9	99 9	99 9	269 8	999 9	99 9	999 9	999 9	999 9		
0 8	11	600 7	960 0	-5 0	99 9	999 9	99 9	99 9	99 9	269 1	999 9	99 9	999 9	999 9	999 9		
0 9	11	681 7	950 0	-7 7	-18 0	999 9	99 9	99 9	99 9	268 7	171 4	1 0	43 4	999 9	999 9		
0 10	12	771 3	947 0	-8 2	-18 0	999 9	99 9	99 9	99 9	268 1	270 0	0 9	44 4	999 9	999 9		
0 11	12	861 7	936 0	-8 2	-18 7	999 9	99 9	99 9	99 9	268 0	271 6	0 7	45 5	999 9	999 9		
0 12	12	952 9	925 0	-10 5	-21 3	999 9	99 9	99 9	99 9	268 6	270 7	0 9	45 5	999 9	999 9		
0 13	15	1053 8	913 0	-8 7	-20 4	999 9	3 1	-0 5	-3 1	271 4	273 7	0 8	38 1	0 4	168		
0 14	16	1139 6	904 0	-8 3	-21 4	11 2	3 2	-0 6	-3 2	272 6	274 8	0 8	38 1	0 4	168		
0 15	17	1217 1	894 0	-7 1	-20 8	22 6	3 5	-1 3	-3 2	274 7	277 0	0 8	32 3	0 5	172		
0 16	18	1313 8	883 0	-6 1	-19 9	38 7	4 0	-2 5	-3 1	276 8	279 3	0 8	32 3	0 5	172		
0 17	18	1403 0	873 0	-5 9	-18 9	45 5	4 0	-2 6	-2 6	277 8	280 4	0 9	32 0	0 6	182		
0 18	20	1493 4	863 0	-5 2	-17 6	53 3	4 3	-3 5	-2 6	279 5	282 6	1 1	36 6	0 7	186		
0 19	21	1584 7	853 0	-4 4	-16 5	61 6	4 6	-3 7	-2 7	279 2	282 1	1 1	36 6	0 7	186		
0 20	22	1680 2	842 0	-3 4	-15 5	70 5	4 0	-3 5	-2 0	280 2	283 2	1 1	37 4	0 8	197		
0 21	23	1789 1	831 0	-2 9	-14 8	80 6	2 1	-2 0	-0 5	281 8	285 0	1 1	38 9	0 8	203		
0 22	24	1893 5	820 0	-2 9	-13 1	89 9	0 9	-0 7	-0 4	282 8	286 3	1 2	41 3	0 8	204		
0 23	25	1999 9	810 0	-2 9	-11 4	99 9	3 1	1 1	-2 9	283 8	289 1	1 3	43 6	0 9	204		
0 24	26	2099 9	800 0	-2 9	-9 9	108 0	5 1	2 1	-4 6	284 9	290 4	1 5	49 0	0 9	201		
0 25	27	2185 5	780 0	-2 9	-8 2	118 0	8 5	4 3	-7 3	285 9	293 5	1 8	51 2	1 0	194		
0 26	28	2285 5	760 0	-2 9	-6 5	128 0	10 5	7 3	-7 6	287 9	293 5	1 8	51 2	1 0	194		
0 27	28	2379 8	741 0	-4 3	-4 8	138 0	11 5	10 5	-5 9	289 0	293 5	1 8	51 2	1 0	194		
0 28	30	2479 8	721 0	-4 3	-3 1	148 0	13 5	12 7	-4 7	290 7	294 8	1 4	51 2	1 0	194		
0 29	31	2583 0	701 0	-3 5	-1 5	158 0	15 5	15 5	-5 1	291 7	294 8	1 4	51 2	1 0	194		
0 30	32	2689 7	681 0	-3 5	-0 7	168 0	17 4	17 4	-4 2	294 3	301 6	2 5	51 2	1 0	194		
0 31	33	2797 3	661 0	-3 5	-0 2	178 0	19 9	19 9	-4 2	298 0	304 9	2 7	51 2	1 0	194		
0 32	34	2895 5	641 0	-3 5	-0 2	188 0	22 0	21 9	-4 2	298 0	304 9	2 7	51 2	1 0	194		
0 33	35	3006 1	621 0	-3 5	-0 2	198 0	24 9	22 9	-4 2	298 0	304 9	2 7	51 2	1 0	194		
0 34	36	3118 2	601 0	-3 5	-0 2	208 0	27 3	25 3	-4 2	298 0	304 9	2 7	51 2	1 0	194		
0 35	37	3230 3	583 0	-3 5	-0 2	218 0	29 8	27 8	-4 2	301 2	307 5	3 1	51 2	1 0	194		
0 36	38	3341 8	564 0	-3 5	-0 2	228 0	32 3	29 8	-4 2	301 2	307 5	3 1	51 2	1 0	194		
0 37	39	3451 8	544 0	-3 5	-0 2	238 0	34 8	32 3	-4 2	303 9	307 5	3 1	51 2	1 0	194		
0 38	40	3560 3	524 0	-3 5	-0 2	248 0	37 3	34 8	-4 2	303 9	307 5	3 1	51 2	1 0	194		
0 39	41	3669 8	504 0	-3 5	-0 2	258 0	39 8	37 3	-4 2	303 9	307 5	3 1	51 2	1 0	194		
0 40	42	3777 8	484 0	-3 5	-0 2	268 0	42 3	39 8	-4 2	303 9	307 5	3 1	51 2	1 0	194		
0 41	43	3886 3	464 0	-3 5	-0 2	278 0	44 8	42 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 42	44	3995 8	444 0	-3 5	-0 2	288 0	47 3	44 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 43	45	4104 2	424 0	-3 5	-0 2	298 0	49 8	47 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 44	46	4213 7	404 0	-3 5	-0 2	308 0	52 3	49 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 45	47	4322 2	384 0	-3 5	-0 2	318 0	54 8	52 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 46	48	4431 7	364 0	-3 5	-0 2	328 0	57 3	54 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 47	49	4540 2	344 0	-3 5	-0 2	338 0	59 8	57 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 48	50	4649 7	324 0	-3 5	-0 2	348 0	62 3	59 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 49	51	4758 2	304 0	-3 5	-0 2	358 0	64 8	62 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 50	52	4867 7	284 0	-3 5	-0 2	368 0	67 3	64 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 51	53	4976 2	264 0	-3 5	-0 2	378 0	69 8	67 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 52	54	5085 7	244 0	-3 5	-0 2	388 0	72 3	69 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 53	55	5194 2	224 0	-3 5	-0 2	398 0	74 8	72 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 54	56	5303 7	204 0	-3 5	-0 2	408 0	77 3	74 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 55	57	5412 2	184 0	-3 5	-0 2	418 0	79 8	77 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 56	58	5521 7	164 0	-3 5	-0 2	428 0	82 3	79 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 57	59	5630 2	144 0	-3 5	-0 2	438 0	84 8	82 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 58	60	5739 7	124 0	-3 5	-0 2	448 0	87 3	84 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 59	61	5848 2	104 0	-3 5	-0 2	458 0	89 8	87 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 60	62	5957 7	84 0	-3 5	-0 2	468 0	92 3	89 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 61	63	6066 2	64 0	-3 5	-0 2	478 0	94 8	92 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 62	64	6175 7	44 0	-3 5	-0 2	488 0	97 3	94 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 63	65	6284 2	24 0	-3 5	-0 2	498 0	99 8	97 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 64	66	6393 7	4 0	-3 5	-0 2	508 0	102 3	99 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 65	67	6502 2	14 0	-3 5	-0 2	518 0	104 8	102 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 66	68	6611 7	14 0	-3 5	-0 2	528 0	107 3	104 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 67	69	6720 2	14 0	-3 5	-0 2	538 0	109 8	107 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 68	70	6829 7	14 0	-3 5	-0 2	548 0	112 3	109 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 69	71	6938 2	14 0	-3 5	-0 2	558 0	114 8	112 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 70	72	7047 7	14 0	-3 5	-0 2	568 0	117 3	114 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 71	73	7156 2	14 0	-3 5	-0 2	578 0	119 8	117 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 72	74	7265 7	14 0	-3 5	-0 2	588 0	122 3	119 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 73	75	7374 2	14 0	-3 5	-0 2	598 0	124 8	122 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 74	76	7483 7	14 0	-3 5	-0 2	608 0	127 3	124 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 75	77	7592 2	14 0	-3 5	-0 2	618 0	129 8	127 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 76	78	7701 7	14 0	-3 5	-0 2	628 0	132 3	129 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 77	79	7810 2	14 0	-3 5	-0 2	638 0	134 8	132 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 78	80	7919 7	14 0	-3 5	-0 2	648 0	137 3	134 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 79	81	8028 2	14 0	-3 5	-0 2	658 0	139 8	137 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 80	82	8137 7	14 0	-3 5	-0 2	668 0	142 3	139 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 81	83	8246 2	14 0	-3 5	-0 2	678 0	144 8	142 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 82	84	8355 7	14 0	-3 5	-0 2	688 0	147 3	144 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 83	85	8464 2	14 0	-3 5	-0 2	698 0	149 8	147 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 84	86	8573 7	14 0	-3 5	-0 2	708 0	152 3	149 8	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 85	87	8682 2	14 0	-3 5	-0 2	718 0	154 8	152 3	-4 2	305 2	309 2	3 1	51 2	1 0	194		
0 86	88	8791 7	14 0	-3 5	-0 2	728 0	157 3	154 8	-4 2	305 2	30						

Table 6. Continued.

STATION NO CROWELL, TEXAS 6 FEBRUARY 1982 1723 GMT															143 47 0		
TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	WX RTD GM/KG	RH PCT	RANGE KM	AZ DG		
15 7	53 0	5047 5	549 0	-11 0	-22 8	264 6	32 8	32 7	2 9	311 2	314 7	1 1	36 9	14 4	94		
16 1	54 0	5160 0	541 0	-12 2	-24 0	264 5	33 3	33 1	3 2	311 3	314 7	1 0	36 4	15 2	93		
16 6	55 0	5268 1	532 0	-13 3	-25 5	263 1	33 0	32 7	3 3	311 3	314 2	0 9	34 6	16 2	93		
17 0	56 0	5398 7	525 0	-14 4	-26 6	262 1	35 2	34 9	4 8	311 1	313 8	0 8	34 6	16 9	92		
17 4	57 0	5518 8	516 0	-14 8	-26 3	260 9	37 2	36 7	5 8	312 1	316 6	2 1	34 7	17 8	92		
17 8	58 0	5637 9	508 0	-15 8	-26 8	260 6	40 4	39 5	6 8	312 4	318 7	2 0	33 2	18 7	91		
18 2	59 0	5757 5	500 0	-16 8	-27 6	259 6	38 1	37 5	6 9	312 6	318 6	1 9	32 9	19 7	91		
18 6	60 0	5801 6	484 0	-17 6	-28 6	259 8	31 9	31 2	6 7	314 5	320 3	1 8	31 6	20 6	90		
19 2	61 0	5879 0	476 0	-18 4	-29 6	259 8	35 2	34 6	6 2	312 1	317 2	1 6	30 3	21 6	90		
19 5	62 0	6125 5	468 0	-19 3	-30 6	261 6	40 7	40 2	6 0	313 9	318 6	1 5	29 3	22 4	89		
20 1	63 0	6251 3	460 0	-20 4	-31 4	262 5	43 1	42 7	5 7	314 0	318 4	1 4	28 1	23 7	89		
20 4	64 0	6378 8	452 0	-21 6	-32 6	263 9	55 0	54 7	5 9	314 1	318 4	1 4	27 1	24 5	88		
20 7	65 0	6507 8	445 0	-22 7	-33 0	263 8	58 5	58 2	5 1	314 3	317 9	1 1	26 1	25 6	88		
20 8	66 0	6622 3	437 0	-23 0	-34 0	264 8	62 7	62 5	5 7	315 4	318 8	1 0	25 1	26 4	88		
20 9	67 0	6755 0	429 0	-24 3	-35 7	264 0	57 7	57 4	5 7	315 3	318 2	0 9	24 1	27 3	88		
21 2	68 0	6889 6	422 0	-24 7	-36 5	261 6	45 3	44 9	6 7	316 5	319 7	0 8	23 1	28 1	88		
21 6	69 0	7008 3	414 0	-25 4	-37 8	257 5	35 4	34 6	7 5	317 2	319 7	0 7	22 1	29 0	88		
22 0	70 0	7148 1	407 0	-25 8	-38 8	257 5	39 4	38 5	8 5	318 4	320 8	0 7	21 1	30 0	87		
22 4	71 0	7271 7	400 0	-26 7	-39 6	259 3	44 1	43 3	8 2	319 8	322 3	0 6	20 1	31 4	87		
22 8	72 0	7397 2	392 0	-27 9	-40 7	261 6	49 4	48 9	7 2	320 3	322 4	0 5	19 1	32 9	87		
23 4	73 0	7521 8	385 0	-28 4	-41 7	260 9	50 9	50 4	7 1	320 6	322 4	0 5	18 1	34 1	87		
23 8	74 0	7644 1	378 0	-28 7	-42 7	259 7	48 8	48 0	7 7	321 3	322 9	0 5	17 1	35 5	86		
24 3	75 0	7768 4	371 0	-29 7	-43 7	258 7	46 9	46 0	9 2	321 3	322 9	0 5	16 1	37 2	86		
24 9	76 0	7896 3	364 0	-30 7	-44 7	257 7	53 6	52 3	12 0	322 0	323 6	0 4	15 1	38 6	86		
25 3	77 0	8021 3	357 0	-31 6	-45 7	256 7	57 9	56 1	14 3	322 2	323 6	0 4	14 1	40 0	85		
25 7	78 0	8146 4	351 0	-32 5	-46 8	254 2	59 3	57 1	16 2	323 1	324 4	0 4	13 1	42 1	85		
26 3	79 0	8277 9	344 0	-33 3	-47 8	252 8	57 9	55 3	17 1	324 7	326 0	0 3	12 1	43 1	84		
26 6	80 0	8409 7	337 0	-34 5	-48 9	252 8	56 3	53 8	16 6	325 5	326 8	0 3	11 1	45 0	84		
27 2	81 0	8543 8	331 0	-35 3	-49 9	251 9	52 9	50 6	15 7	326 3	327 3	0 3	10 1	46 5	83		
27 7	82 0	8679 2	324 0	-36 3	-50 9	251 0	54 7	52 0	14 4	327 0	328 0	0 3	9 1	48 2	83		
28 2	83 0	8817 8	318 0	-37 3	-51 9	251 2	64 2	61 3	20 7	327 3	328 1	0 2	8 1	50 0	82		
28 7	84 0	8957 2	312 0	-38 3	-52 9	252 2	64 3	61 3	19 6	327 7	328 5	0 2	7 1	52 0	82		
29 2	85 0	9101 6	305 0	-39 4	-53 9	253 7	59 5	56 9	17 3	328 3	329 1	0 2	6 1	54 8	82		
29 6	86 0	9244 3	298 0	-40 3	-54 9	253 7	52 9	50 7	14 9	328 8	329 9	0 1	5 1	56 3	81		
30 0	87 0	9384 1	291 0	-41 3	-55 9	254 0	48 2	48 0	13 3	328 8	329 9	0 1	4 1	58 3	81		
30 5	88 0	9527 9	287 0	-42 1	-56 9	254 6	47 7	46 0	12 7	328 7	329 9	0 1	3 1	60 3	81		
31 2	89 0	9677 7	281 0	-43 1	-57 9	253 7	44 7	42 2	12 3	329 1	329 9	0 1	2 1	62 3	81		
31 5	90 0	9828 1	276 0	-44 2	-58 9	253 7	40 7	38 2	14 0	330 8	330 9	0 1	1 1	64 3	81		
32 0	91 0	9980 1	270 0	-44 8	-59 9	249 9	53 3	50 5	16 9	332 1	332 9	0 1	0 1	66 3	80		
32 4	92 0	10127 2	264 0	-45 7	-60 9	251 5	73 4	73 4	20 7	334 3	334 9	0 1	0 1	68 3	80		
32 8	93 0	10277 3	258 0	-46 3	-61 9	254 9	90 3	87 2	23 5	336 5	336 9	0 1	0 1	70 2	80		
33 3	94 0	10430 2	253 0	-47 7	-62 9	254 1	70 6	67 0	24 1	338 7	338 9	0 1	0 1	72 2	80		
33 7	95 0	10589 9	247 0	-48 9	-63 9	251 0	47 8	43 4	23 1	340 9	340 9	0 1	0 1	74 2	80		
34 2	96 0	10749 9	241 0	-49 9	-64 9	245 3	47 7	43 4	22 0	343 1	343 9	0 1	0 1	76 2	80		
34 7	97 0	10919 2	241 0	-50 9	-65 9	245 3	47 7	43 4	21 0	345 3	345 9	0 1	0 1	78 2	80		

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 \*\* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 \*\*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG  
 \*\*\*\* BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

Table 6. Continued.

STATION NO 1 CROWELL TEXAS														
8 FEBRUARY 1992														
1723 GMT														
TIME	CHTCT	HEIGHT	PRES	TEMP	DEM PT	DIR	SPEED	U COMP	J COMP	POT T	E POT T	MI RTO	RH	RANGE
MIN		CPM	MB	DC C	DC C	DC	M/SEC	M/SEC	M/SEC	DC K	DC K	CM/KG	PCY	FM
35 2	98 0	11016 0	230 0	-51 2	99 9	240 8	39 6*	34 5	19 4	335 5	99 9	99 9	999 9	73 0
35 7	99 0	11154 8	231 0	-52 3	99 9	243 2	52 1*	49 5	23 5	325 5	99 9	99 9	999 9	74 0
36 1	100 0	11286 1	226 0	-53 2	99 9	247 1	74 3*	88 4	28 9	326 5	99 9	99 9	999 9	75 5
36 5	101 0	11468 9	220 0	-54 5	99 9	250 4	102 8*	98 8	34 5	337 1	99 9	99 9	999 9	77 5
37 0	102 0	11618 0	215 0	-54 8	99 9	253 7	146 1*	129 8	43 3	338 9	99 9	99 9	999 9	81 1
37 4	103 0	11787 2	210 0	-55 9	99 9	257 1	155 0*	147 5	47 8	342 2	99 9	99 9	999 9	85 2
37 9	104 0	11922 6	205 0	-57 9	99 9	260 0	113 9*	105 8	42 7	345 5	99 9	99 9	999 9	89 6
38 3	105 0	12061 8	200 0	-58 4	99 9	263 1	88 3*	59 1	24 1	348 2	99 9	99 9	999 9	91 8
38 7	106 0	12211 9	196 0	-59 1	99 9	266 5	44 3*	34 7	26 4	350 3	99 9	99 9	999 9	92 5
39 2	107 0	12378 7	191 0	-59 6	99 9	269 7	51 2*	42 8	28 1	352 1	99 9	99 9	999 9	93 5
39 7	108 0	12550 1	186 0	-59 8	99 9	272 2	66 1*	59 0	29 8	357 1	99 9	99 9	999 9	95 7
40 1	109 0	12690 7	182 0	-59 3	99 9	275 3	88 9*	59 8	30 0	359 5	99 9	99 9	999 9	97 1
40 6	110 0	12870 6	177 0	-59 1	99 9	278 3	55 7*	47 4	29 2	361 1	99 9	99 9	999 9	99 0
41 1	111 0	13017 7	173 0	-59 7	99 9	281 0	46 1*	38 0	28 4	365 0	99 9	99 9	999 9	101 3
41 5	112 0	13200 1	168 0	-54 0	99 9	284 3	40 0	40 0	22 8	365 5	99 9	99 9	999 9	104 0
42 2	113 0	13360 5	164 0	-56 2	99 9	287 9	87 3*	82 0	27 1	368 1	99 9	99 9	999 9	106 5
42 6	114 0	13517 9	160 0	-56 8	99 9	291 9	97 7*	93 5	28 3	369 5	99 9	99 9	999 9	109 2
43 1	115 0	13678 9	158 0	-58 0	99 9	295 6	64 6*	81 5	27 1	371 4	99 9	99 9	999 9	110 4
43 5	116 0	13843 9	152 0	-58 5	99 9	298 8	19 7*	18 3	27 2	374 2	99 9	99 9	999 9	110 8
44 1	117 0	14013 2	148 0	-58 5	99 9	301 5	12 6*	12 9	4 3	377 0	99 9	99 9	999 9	111 6
44 4	118 0	14221 0	143 0	-57 0	99 9	304 2	25 0*	24 1	6 1	378 1	99 9	99 9	999 9	112 8
44 9	119 0	14385 1	140 0	-57 7	99 9	307 8	21 2*	20 2	12 9	378 5	99 9	99 9	999 9	114 2
45 5	120 0	14547 4	136 0	-59 2	99 9	310 5	52 7*	51 8	12 2	380 5	99 9	99 9	999 9	115 5
45 8	121 0	14734 1	132 0	-60 0	99 9	313 0	53 0*	57 1	12 8	380 9	99 9	99 9	999 9	116 8
46 2	122 0	14925 4	128 0	-61 8	99 9	315 0	49 5*	47 8	11 4	382 9	99 9	99 9	999 9	118 4
46 6	123 0	15071 8	125 0	-63 9	99 9	317 0	43 9*	42 4	13 3	385 7	99 9	99 9	999 9	119 4
47 3	124 0	15271 1	121 0	-63 9	99 9	319 0	51 5*	49 7	13 7	388 4	99 9	99 9	999 9	120 9
47 6	125 0	15425 0	118 0	-64 4	99 9	321 0	52 9*	51 1	10 5	388 4	99 9	99 9	999 9	122 3
48 1	126 0	15598 5	114 0	-64 0	99 9	323 0	44 6*	43 1	10 5	390 6	99 9	99 9	999 9	123 3
48 7	127 0	15798 5	111 0	-66 0	99 9	325 0	40 7*	39 3	14 6	393 3	99 9	99 9	999 9	125 5
49 1	128 0	15964 6	109 0	-67 3	99 9	327 0	40 9*	39 5	14 6	395 4	99 9	99 9	999 9	127 4
49 9	129 0	16182 6	104 0	-67 3	99 9	329 0	56 2*	54 3	14 9	397 1	99 9	99 9	999 9	129 2
50 2	130 0	16368 8	101 0	-67 8	99 9	331 0	54 8*	53 0	14 2	397 1	99 9	99 9	999 9	130 4
50 4	131 0	16548 7	98 0	-68 0	99 9	333 0	38 1*	34 9	9 4	398 5	99 9	99 9	999 9	132 4
51 2	132 0	16735 3	95 0	-69 8	99 9	335 0	38 2*	37 0	9 9	400 5	99 9	99 9	999 9	134 4
51 7	133 0	16926 4	92 0	-69 7	99 9	337 0	37 4*	37 0	9 7	402 5	99 9	99 9	999 9	136 4
52 4	134 0	17124 1	89 0	-68 5	99 9	339 0	30 4*	29 5	7 9	406 5	99 9	99 9	999 9	138 4
53 0	135 0	17330 1	86 0	-66 7	99 9	341 0	30 4*	29 3	7 9	408 5	99 9	99 9	999 9	140 4
53 4	136 0	17545 2	83 0	-66 0	99 9	343 0	12 4*	11 7	3 1	410 5	99 9	99 9	999 9	142 4
54 1	137 0	17768 5	80 0	-66 0	99 9	345 0	12 1*	11 7	3 1	412 5	99 9	99 9	999 9	144 4
54 6	138 0	17922 1	78 0	-66 0	99 9	347 0	15 1*	14 6	3 9	414 5	99 9	99 9	999 9	146 4
55 2	139 0	18159 8	75 0	-67 1	99 9	349 0	15 1*	14 6	3 9	416 5	99 9	99 9	999 9	148 4
55 8	140 0	18406 6	72 0	-67 1	99 9	351 0	35 3*	34 7	9 3	418 5	99 9	99 9	999 9	150 4
56 6	141 0	18678 3	70 0	-62 9	99 9	353 0	39 3*	38 0	10 2	420 5	99 9	99 9	999 9	152 4
57 2	142 0	18948 3	67 0	-61 0	99 9	355 0	39 3*	38 0	10 2	422 5	99 9	99 9	999 9	154 4

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 \*\* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 \*\*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG  
 \*\*\*\* BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

ORIGINAL IS  
OF POOR QUALITY

Table 6. Concluded.

STATION NO 1 CROWELL, TEXAS																
6 FEBRUARY 1982 1723 GMT																
TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO CM/KG	RH PCT	RANGE KM	AZ DG	0
78 0	143 0	19134.2	64 0	-60 7	99 9	255 0	11 4*	11 0	2 9	466 4	999 9	99 9	999 9	138 7	75	
79 0	144 0	19231.6	62 0	-61 0	99 9	75 0	7 5*	-7 3	-2 0	469 9	999 9	99 9	999 9	138 6	75	
80 0	145 0	19329.6	59 0	-61 2	99 9	75 0	20 0*	-19 3	-5 2	476 2	999 9	99 9	999 9	138 0	75	
81 0	146 0	19427.1	57 0	-64 4	99 9	75 0	37 0*	-35 7	-9 6	473 6	999 9	99 9	999 9	137 2	75	
82 0	147 0	20162.5	54 0	-64 6	99 9	75 0	42 3	-40 8	-10 9	480 5	999 9	99 9	999 9	135 2	75	
83 0	148 0	20413.3	52 0	-64 1	99 9	999 9	99 9	99 9	99 9	487 1	999 9	99 9	999 9	999 9	999	
84 0	149 0	20777.4	49 0	-63 9	99 9	999 9	99 9	99 9	99 9	495 9	999 9	99 9	999 9	999 9	999	
85 0	150 0	21035.4	47 0	-59 8	99 9	999 9	99 9	99 9	99 9	511 6	999 9	99 9	999 9	999 9	999	

ORIGINAL  
OF POOR QUALITY



ORIGINAL PAGE IS  
OF POOR QUALITY

Table 7. Explanation of column headings of tabulated sounding data for AVE/VAS I.

TIME (MIN)	Time after balloon release.
CNTCT	Contact number.
HEIGHT (GPM)	Height of corresponding pressure surface in geopotential meters.
PRES (MB)	Pressure in millibars.
TEMP (DG C)	Ambient temperature in degrees Celsius. NOTE: An asterisk indicates that time from release and/or temperature were linearly interpolated.
DEW PT (DG C)	Dew-point temperature in degrees Celsius.
DIR (DG)	Wind direction measured clockwise from true north and is the direction from which the wind is blowing.
SPEED (M/SEC)	Scalar wind speed in meters per second. NOTE: An asterisk indicates that wind quantities are based on an elevation angle that is between $10^{\circ}$ and $6^{\circ}$ . A double asterisk indicates that the elevation angle is less than $6^{\circ}$ .
U COMP (M/SEC)	The E-W wind component, positive toward the east and negative toward the west.
V COMP (M/SEC)	The N-S wind component, positive toward the north and negative toward the south.
POT T (DG K)	Potential temperature in degrees Kelvin.
E POT T (DG K)	Equivalent potential temperature in degrees Kelvin.
MX RTO (GM/KG)	Mixing ratio in grams per kilogram.
RH (PCT)	Relative humidity in percent.
RANGE (KM)	Distance balloon is from release point along a radius vector.
AZ (DG)	Direction toward balloon measured clockwise from true north.

CH  
OF P

Table 8. Launch time (GMT) and termination pressure (mb) for soundings taken for AVE/VAS I.

Crowell, TX	*	1723 47 mb	2306 102 mb
Henrietta, TX	1157 79 mb	1700 61 mb	*
Durant, OK	**	**	**
Throckmorton, TX	**	*	*
Denton, TX	*	*	2302 18 mb
Abilene, TX	**	**	2310 90 mb
Ennis, TX	1145 298 mb	1704 462 mb	2300 107 mb
Brownwood, TX	*	1722 13 mb	*
Hewitt, TX	*	1713 397 mb	2300 12 mb
Menard, TX	1225 11 mb	1714 19 mb	2318 57 mb
Burnet TX	*	1712 11 mb	2320 13 mb
College Station, TX	1401 213 mb	1701 200 mb	2338 164 mb
Ft. Hood, TX	1118 560 mb	1718 386 mb	2305 353 mb
Stephenville, TX	***	1715 11 mb	***

\* No data available due to equipment problems.

\*\* Operators unable to reach station in time to make the launch.

\*\*\* Sounding not available.

ORIGINAL PAGE 24  
OF POOR QUALITY

unresolved errors remain in the data because so few complete soundings were taken.

Six soundings had missing temperature data for more than five consecutive contacts. These soundings along with the extent of missing data are listed in Table 9. Temperatures in these layers were not computed since linear interpolation was considered to be inaccurate. Geopotential heights could not be computed above these layers of missing temperature.

Appendix II contains a second copy of the affected soundings with temperatures interpolated through the missing data layers. Computed geopotential heights in these soundings should be used with caution (if at all), and other derived quantities (wind direction, speed, u- and v-components, and sonde range and azimuth) should be carefully considered before use.

4. Other Data

Ground temperatures at a depth of 2 cm (approx.) were taken at special stations maintained by TAMU. These measurements were taken immediately after the sounding launch. These temperatures are presented in Table 10.

Table 9. AVE/VAS I soundings with data missing  
for more than five successive contacts.

Station		Date/GMT	Explanation
Henrietta, TX	(002)	6/1157	Missing data 786-514 mb
Abilene, TX	(006)	6/2310	Missing data 179-133 mb, 115-99 mb
Hewitt, TX	(009)	6/1713	Missing data surface-863 mb
Menard, TX	(010)	6/1225 6/2318	Missing data surface-764 mb Missing data surface-363 mb
College Station, TX	(012)	6/2338	Missing data surface-939 mb

Table 10. Ground temperatures ( $^{\circ}\text{C}$ ) at a depth of 2 cm at TAMU special rawinsonde stations on February 6-7 1982.

Station	Time (GMT)		
	12	18	00
Crowell, TX	--	0.0	0.2
Henrietta, TX	--	0.9	2.9
Durant, OK	--	--	--
Throckmorton, TX	--	--	--
Denton, TX	--	-0.1	0.1
Abilene, TX	--	--	2.3
Ennis, TX	-4.0	-0.3	2.8
Brownwood, TX	--	1.9	3.9
Hewitt, TX	-5.0	-3.7	-0.7
Menard, TX	-5.0	-2.3	-0.5
Burnet, TX	0.9	1.1	4.0
College Station, TX	1.3	4.3	4.0

ORIGINAL PAGE IS  
OF POOR QUALITY

Acknowledgements

A number of people have assisted in the production of this report. Their help is greatly appreciated. The author would like to acknowledge the efforts of the following people:

Dr. Robert E. Turner, Chief, and the personnel of the Environmental Applications Branch, Atmospheric Sciences Division, NASA/MFSC, who collected the sounding data from the National Weather Service stations.

Luke P. Gilchrist, president of GLG Company, Inc. He assisted in setting up the special rawinsonde stations manned by TAMU.

Jake Canglose, who provided expert guidance for the five TAMU technicians. Their efforts in maintaining, repairing, and sometimes even rebuilding the equipment used in the special network made the collection of this sounding data possible.

Dr. James R. Scoggins, who directed the field program conducted by TAMU, and the forty student workers who participated in the field work. These people risked life and limb; facing up to icy roads, adverse weather conditions, and unfriendly local law enforcement officials in order to collect the sounding data presented in this report.

Reference

Fuelberg, H.E. 1974: Reduction and error analysis of the AVE II pilot experiment data. NASA Contractor Report CR-120496. Marshall Space Flight Center, Alabama, 140 pp.

APPENDIX I

AVE/VAS I Rawinsonde Data

Presented at 25-mb Intervals

# ORIGINAL PORTION OF POOR QUALITY

STATION NO 1  
CROWELL, TEXAS  
6 FEBRUARY 1982  
1723 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTD GM/KG	RH PCT	RANGE KM	AZ DG
00	0	448.9	986.6	-5.0	-16.7	350.0	1.0	0.2	-1.0	289.2	271.6	0.9	33.0	0	0
01	99.9	1000.0	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
02	0	544.4	975.0	-5.0	-16.7	99.9	99.9	99.9	99.9	289.2	271.6	0.9	99.9	99.9	99.9
03	0	746.6	950.0	-6.8	-18.7	99.9	99.9	99.9	99.9	289.2	271.6	0.9	99.9	99.9	99.9
04	0	952.9	925.0	-10.5	-21.3	99.9	99.9	99.9	99.9	289.2	271.6	0.9	99.9	99.9	99.9
05	13.0	1165.2	900.0	-17.8	-19.9	17.9	3.4	-1.0	-3.2	273.5	255.6	0.6	33.2	0	4
06	2.0	1385.2	875.0	-5.9	-19.9	43.6	4.0	-2.8	-2.2	277.6	260.1	0.9	32.0	0	6
07	3.5	1612.4	850.0	-6.4	-18.6	57.8	4.2	-3.5	-2.2	279.5	262.4	1.0	37.1	0	7
08	4.5	1848.1	825.0	-5.9	-17.2	53.3	2.0	-1.6	-1.1	282.4	285.7	1.2	40.2	0	8
09	5.2	2086.9	800.0	-5.9	-14.9	337.8	5.5	2.1	-5.1	284.9	289.1	1.5	49.0	0	9
10	6.2	2336.2	775.0	-4.9	-14.1	310.2	10.4	7.9	-6.7	288.5	293.2	1.7	48.6	0	10
11	7.1	2584.4	750.0	-4.3	-16.6	290.6	14.1	13.2	-5.0	291.9	296.1	1.4	38.0	0	11
12	8.1	2862.7	725.0	-2.9	-19.0	280.3	19.3	19.0	-3.5	296.3	304.0	2.7	32.5	0	12
13	8.9	3141.0	700.0	-2.8	-17.0	270.9	23.9	23.9	-0.4	303.2	307.4	1.4	30.8	0	13
14	10.1	3430.1	675.0	-2.2	-16.0	265.1	28.1	28.0	2.4	303.2	307.4	1.4	28.4	0	14
15	11.1	3728.1	650.0	-3.7	-18.1	263.1	28.3	28.1	3.3	304.8	308.8	1.3	29.1	0	15
16	12.2	4026.4	625.0	-4.4	-18.9	264.7	29.6	28.4	2.7	307.4	311.7	1.4	31.1	0	16
17	13.2	4324.4	600.0	-6.1	-19.9	266.1	30.4	29.4	2.1	309.6	313.2	1.1	33.0	0	17
18	14.5	4622.5	575.0	-6.9	-22.2	266.0	32.5	30.5	2.1	309.6	313.2	1.1	33.0	0	18
19	15.7	4920.6	550.0	-10.9	-22.9	264.6	32.5	32.3	2.9	311.1	313.6	0.8	34.5	0	19
20	17.0	5218.7	525.0	-14.4	-26.6	262.2	35.3	35.0	4.8	311.1	313.6	0.8	34.5	0	20
21	18.2	5516.8	500.0	-16.8	-26.6	259.6	37.2	36.0	6.7	312.6	318.6	1.9	34.5	0	21
22	19.5	5814.9	475.0	-19.5	-27.7	261.7	42.0	41.0	8.0	313.9	318.6	1.5	34.5	0	22
23	20.8	6113.0	450.0	-22.1	-25.3	264.1	57.3	57.0	5.9	314.6	319.5	1.1	34.5	0	23
24	21.4	6411.1	425.0	-25.1	-29.3	260.2	44.6	43.9	7.8	316.9	323.3	0.8	34.5	0	24
25	22.9	6709.2	400.0	-28.7	-33.1	260.5	47.0	46.4	10.7	320.3	323.3	0.5	34.5	0	25
26	24.6	7007.3	375.0	-30.2	-36.0	258.1	52.0	50.9	16.1	324.8	323.3	0.4	34.5	0	26
27	26.3	7305.4	350.0	-32.6	-39.1	253.5	57.0	54.6	18.4	328.9	327.9	0.3	34.5	0	27
28	28.1	7603.5	325.0	-36.1	-42.8	251.8	58.9	55.9	15.7	328.9	327.9	0.3	34.5	0	28
29	29.9	7901.6	300.0	-40.2	-46.5	253.4	55.1	52.9	15.7	328.9	327.9	0.3	34.5	0	29
30	31.7	8199.7	275.0	-44.3	-50.2	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	30
31	33.5	8497.8	250.0	-48.4	-53.9	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	31
32	35.3	8795.9	225.0	-52.5	-57.6	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	32
33	37.1	9094.0	200.0	-56.6	-61.3	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	33
34	38.9	9392.1	175.0	-60.7	-65.0	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	34
35	40.7	9690.2	150.0	-64.8	-68.7	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	35
36	42.5	9988.3	125.0	-68.9	-72.4	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	36
37	44.3	10286.4	100.0	-73.0	-76.1	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	37
38	46.1	10584.5	75.0	-77.1	-79.8	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	38
39	47.9	10882.6	50.0	-81.2	-83.5	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	39
40	49.7	11180.7	25.0	-85.3	-87.6	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	40
41	51.5	11478.8	0.0	-89.4	-91.9	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	41
42	53.3	11776.9	0.0	-93.5	-96.0	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	42
43	55.1	12075.0	0.0	-97.6	-99.1	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	43
44	56.9	12373.1	0.0	-101.7	-103.2	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	44
45	58.7	12671.2	0.0	-105.8	-107.3	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	45
46	60.5	12969.3	0.0	-109.9	-111.4	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	46
47	62.3	13267.4	0.0	-114.0	-115.5	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	47
48	64.1	13565.5	0.0	-118.1	-119.6	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	48
49	65.9	13863.6	0.0	-122.2	-123.7	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	49
50	67.7	14161.7	0.0	-126.3	-127.8	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	50
51	69.5	14459.8	0.0	-130.4	-131.9	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	51
52	71.3	14757.9	0.0	-134.5	-136.0	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	52
53	73.1	15056.0	0.0	-138.6	-140.1	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	53
54	74.9	15354.1	0.0	-142.7	-144.2	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	54
55	76.7	15652.2	0.0	-146.8	-148.3	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	55
56	78.5	15950.3	0.0	-150.9	-152.4	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	56
57	80.3	16248.4	0.0	-155.0	-157.5	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	57
58	82.1	16546.5	0.0	-159.1	-161.6	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	58
59	83.9	16844.6	0.0	-163.2	-165.7	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	59
60	85.7	17142.7	0.0	-167.3	-169.8	253.4	54.0	51.7	15.7	328.9	327.9	0.3	34.5	0	60

.. BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
.. BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
.. BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG  
.. BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

STATION NO. 1  
CROWELL, TEXAS  
6 FEBRUARY 1982  
2306 GMT

TIME MIN	CNTCT	WEIGHT GPM	PRES MM	TEMP DG C	DW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POI T DG K	E POI T DG K	MI RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.8	449.8	880.0	0.8	-19.8	360.0	0.0	0.0	0.0	275.5	277.9	0.8	20.0	0.0	0.0
0.3	98.8	480.8	1000.0	0.8	98.8	237.8	99.9	99.9	99.9	274.8	999.9	99.9	999.9	999.9	999.9
0.6	8.4	480.8	875.0	-0.4	98.8	237.8	1.8	1.5	0.9	274.8	999.9	99.9	999.9	0.0	318
1.5	13.3	908.5	925.0	-4.3	-24.3	289.2	1.5	1.4	0.7	274.9	276.5	0.8	19.4	0.1	50
2.8	15.7	1124.5	900.0	-4.8	-26.2	341.7	2.7	0.8	-2.6	278.8	279.2	0.5	16.5	0.1	122
3.3	18.2	1345.5	875.0	-5.2	-26.8	147.9	2.7	-1.4	2.3	278.4	279.9	0.5	16.3	0.1	253
4.1	20.7	1572.7	850.0	-5.9	-23.9	100.7	1.4	-1.4	0.3	279.9	281.8	0.7	22.7	0.1	338
4.8	23.3	1808.8	825.0	-5.5	-22.0	83.6	2.9	-2.9	-0.3	282.8	285.1	0.8	26.0	0.2	308
5.7	25.7	2048.7	800.0	-4.4	-24.2	39.8	3.5	-3.2	-2.7	286.5	288.5	0.7	19.6	0.3	283
6.6	28.3	2288.7	775.0	-4.0	-28.0	291.5	4.2	3.9	-1.5	289.5	291.3	0.8	18.1	0.2	271
7.5	30.8	2557.3	750.0	-4.3	-25.3	283.3	8.0	7.8	-1.8	293.9	293.9	0.8	17.4	0.0	130
8.4	33.8	2825.2	725.0	-2.8	-23.8	264.7	18.6	18.1	-4.2	298.6	299.0	0.8	17.5	0.7	112
9.4	36.2	3103.7	700.0	-2.0	-22.9	260.7	21.3	20.9	-4.0	303.3	303.0	0.8	18.2	1.9	105
10.5	38.9	3382.6	675.0	-1.8	-24.3	277.7	24.1	23.8	-3.2	303.6	303.1	0.8	15.9	3.5	103
11.8	41.7	3681.8	650.0	-3.8	-25.2	271.2	24.1	24.1	-0.5	304.7	307.1	0.8	17.0	5.0	100
12.5	44.4	4000.3	625.0	-7.9	-27.2	267.7	25.2	25.2	1.0	305.8	307.8	0.8	16.4	8.0	98
13.7	47.3	4318.8	600.0	-7.9	-27.3	262.8	24.9	24.7	3.1	307.0	309.6	0.8	22.5	8.0	95
14.7	50.2	4648.4	575.0	-9.0	-27.3	262.8	26.7	26.5	3.3	308.7	311.0	0.7	21.9	11.8	91
16.1	53.2	4980.1	550.0	-12.1	-15.9	262.8	30.1	29.9	3.8	309.7	315.9	2.0	73.3	13.8	90
17.1	56.1	5344.5	525.0	-17.2	-17.8	261.0	30.5	30.2	4.2	311.4	317.0	1.8	74.2	16.1	89
18.4	59.3	5712.8	500.0	-20.0	-20.3	257.7	31.5	29.5	4.7	312.1	318.9	1.5	76.2	18.4	88
19.7	62.4	6095.8	475.0	-22.4	-23.1	258.9	35.8	35.1	6.9	313.3	318.1	1.2	75.8	21.3	86
21.2	65.8	6484.7	450.0	-22.4	-27.1	258.0	38.8	38.7	8.2	315.1	318.1	0.9	64.8	24.6	85
22.7	69.0	6811.8	425.0	-25.4	-28.2	258.0	39.8	38.7	8.2	316.4	319.3	0.8	77.5	27.8	84
24.1	72.4	7149.5	400.0	-32.3	-32.3	260.4	37.8	37.2	7.3	317.7	319.8	0.8	70.7	31.8	84
25.7	76.0	7507.8	375.0	-34.8	-40.2	260.4	44.8	46.2	7.8	318.9	320.0	0.3	44.6	36.7	83
27.4	79.7	7882.4	350.0	-34.8	-41.5	260.4	44.8	46.2	12.6	321.7	322.7	0.3	50.7	41.1	82
28.1	83.5	8268.4	325.0	-38.5	-44.1	247.5	48.3	42.7	16.5	323.6	324.4	0.2	55.1	46.6	80
29.9	87.3	8581.0	300.0	-42.5	-49.9	250.1	54.4	51.2	18.5	325.5	325.9	99.9	999.9	53.3	79
32.8	91.5	9833.4	275.0	-48.9	-59.9	251.7	62.0	58.9	19.4	327.3	327.3	99.9	999.9	60.3	78
34.8	95.8	10560.0	250.0	-50.2	-59.9	248.9	69.7	65.8	23.8	331.4	331.4	99.9	999.9	68.4	76
36.8	100.4	11243.2	225.0	-50.1	-59.9	238.4	69.7	60.1	35.3	341.7	341.7	99.9	999.9	76.8	74
38.1	105.4	12011.8	200.0	-51.7	-59.9	238.4	67.9	57.9	35.0	350.9	350.9	99.9	999.9	86.5	73
41.4	110.6	12871.7	175.0	-54.3	-59.9	247.8	58.8	54.4	22.2	360.4	360.4	99.9	999.9	93.8	73
44.2	116.7	13857.1	150.0	-55.7	-59.9	250.7	38.5	38.4	12.7	374.2	374.2	99.9	999.9	98.7	73
47.3	123.2	14899.1	125.0	-63.6	-59.9	250.7	99.9	99.9	99.9	379.9	379.9	99.9	999.9	999.9	999.9
50.8	99.8	99.8	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
52.8	99.8	99.8	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
55.8	99.8	99.8	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
58.8	99.8	99.8	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
60.8	99.8	99.8	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9

• BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 • BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 • BY SPEED MEANS ELEVATION ANGLE LESS THAN 0 DEG  
 • BY TEMP MEANS MISSING DATA STRUTUM EXCEEDS 5 CONTACTS



ORIGINAL PAGE IS  
OF POOR QUALITY

STATION NO. 2 HENRIETTA, TEXAS 6 FEBRUARY 1962 1157 GMT														130 79 0			
TIME MIN	CRCT	WEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POI T DG M	E POI T DG M	M S RTD GM/KG	PH PCT	RANGE MM	AZ DG		
00	02	287.5	1005.0	-10.5	-18.0	315.0	5.0	3.5	3.5	262.3	264.7	0.9	54.0	0	0		
01	08	325.8	1000.0	-11.4	-17.9	315.0	39.9	39.9	39.9	261.4	264.2	0.9	58.7	999.9	999.9		
02	14	519.4	975.0	-13.6	-19.3	315.0	99.9	99.9	99.9	261.4	263.7	0.8	52.0	999.9	999.9		
03	14	716.4	950.0	-15.0	-20.1	315.0	99.9	99.9	99.9	262.0	264.1	0.6	54.9	999.9	999.9		
04	16	919.7	925.0	-12.7	-24.9	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
05	19	1128.2	900.0	-12.7	-26.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
06	21	1344.8	875.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
07	23	1569.9	850.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
08	24	1801.9	825.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
09	25	2147.1	800.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
10	26	2483.3	775.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
11	27	2819.5	750.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
12	28	3155.7	725.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
13	29	3491.9	700.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
14	30	3828.1	675.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
15	31	4164.3	650.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
16	32	4500.5	625.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
17	33	4836.7	600.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
18	34	5172.9	575.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
19	35	5509.1	550.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
20	36	5845.3	525.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
21	37	6181.5	500.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
22	38	6517.7	475.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
23	39	6853.9	450.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
24	40	7190.1	425.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
25	41	7526.3	400.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
26	42	7862.5	375.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
27	43	8198.7	350.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
28	44	8534.9	325.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
29	45	8871.1	300.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
30	46	9207.3	275.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
31	47	9543.5	250.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
32	48	9879.7	225.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
33	49	10215.9	200.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
34	50	10552.1	175.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
35	51	10888.3	150.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
36	52	11224.5	125.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
37	53	11560.7	100.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
38	54	11896.9	75.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
39	55	12233.1	50.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
40	56	12569.3	25.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
41	57	12905.5	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
42	58	13241.7	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
43	59	13577.9	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
44	60	13914.1	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
45	61	14250.3	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
46	62	14586.5	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
47	63	14922.7	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
48	64	15258.9	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
49	65	15595.1	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
50	66	15931.3	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
51	67	16267.5	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
52	68	16603.7	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
53	69	16939.9	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
54	70	17276.1	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
55	71	17612.3	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
56	72	17948.5	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
57	73	18284.7	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
58	74	18620.9	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
59	75	18957.1	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
60	76	19293.3	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
61	77	19629.5	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
62	78	19965.7	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
63	79	20301.9	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
64	80	20638.1	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
65	81	20974.3	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
66	82	21310.5	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
67	83	21646.7	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
68	84	21982.9	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
69	85	22319.1	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
70	86	22655.3	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
71	87	22991.5	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
72	88	23327.7	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
73	89	23663.9	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
74	90	24000.1	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
75	91	24336.3	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
76	92	24672.5	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
77	93	25008.7	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5	35.4	999.9	999.9		
78	94	25344.9	0.0	-12.7	-25.2	315.0	99.9	99.9	99.9	265.4	269.9	0.5					

STATION NO. 2  
HENRIETTA, TEXAS

6 FEBRUARY 1982  
1700 GMT

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT 1 DEG	E POT 1 DEG K	MJ RTO GM/NG	RH PCT	RANGE KM	AZ DG
00	0	267 5	1085 5	-3 5	-18 9	340 0	2 5	0 9	-2 3	289 2	271 5	0 8	29 7	0 0	0
01	0	320 0	1000 0	-5 7	-20 5	284 6	2 1	2 1	-0 5	267 2	269 8	0 7	29 7	0 1	256
02	0	527 5	975 0	-8 8	-18 4	999 9	99 9	99 9	99 9	268 3	268 8	0 9	45 0	999 9	999
03	0	77 0	999 0	-11 2	-21 0	999 9	99 9	99 9	99 9	265 8	267 9	0 9	45 0	999 9	999
04	0	322 3	999 0	-10 7	-20 1	999 9	99 9	99 9	99 9	268 4	269 0	0 4	22 2	999 9	999
05	0	114 0	999 0	-10 7	-20 1	999 9	99 9	99 9	99 9	273 2	274 3	0 4	15 4	999 9	999
06	0	133 5	825 0	-8 8	-20 8	999 9	99 9	99 9	99 9	276 7	277 9	0 4	15 3	999 9	999
07	0	150 4	825 0	-8 8	-20 8	999 9	99 9	99 9	99 9	279 1	280 3	0 4	15 2	999 9	999
08	0	182 2	825 0	-7 6	-19 2	999 9	99 9	99 9	99 9	280 6	282 3	0 6	22 6	999 9	999
09	0	204 3	800 0	-5 1	-19 2	999 9	99 9	99 9	99 9	285 8	288 6	2 1	31 8	999 9	999
10	0	232 7	775 0	-4 6	-11 1	999 9	99 9	99 9	99 9	288 8	294 8	2 0	60 3	999 9	999
11	0	253 9	725 0	-5 1	-12 0	999 9	99 9	99 9	99 9	291 1	296 9	2 3	58 2	999 9	999
12	0	283 5	725 0	-5 8	-10 8	999 9	99 9	99 9	99 9	294 0	300 5	2 3	63 4	999 9	999
13	0	311 3	700 0	-3 8	-13 8	999 9	99 9	99 9	99 9	298 4	303 7	1 2	45 9	999 9	999
14	0	340 2	675 0	-2 9	-20 7	999 9	99 9	99 9	99 9	302 4	306 0	1 2	25 2	999 9	999
15	0	3700 3	650 0	-4 4	-18 2	999 9	99 9	99 9	99 9	304 0	308 3	1 0	33 0	999 9	999
16	0	408 0	625 0	-6 4	-22 7	999 9	99 9	99 9	99 9	305 8	308 3	1 0	26 5	999 9	999
17	0	432 5	600 0	-8 4	-14 3	999 9	99 9	99 9	99 9	307 8	312 1	2 0	65 4	999 9	999
18	0	454 7	575 0	-10 3	-15 4	999 9	99 9	99 9	99 9	309 5	313 1	2 0	65 4	999 9	999
19	0	495 7	550 0	-12 3	-22 5	999 9	99 9	99 9	99 9	309 5	313 1	1 5	42 0	999 9	999
20	0	534 7	525 0	-15 0	-20 2	999 9	99 9	99 9	99 9	311 5	316 1	1 4	75 9	999 9	999
21	0	571 2	500 0	-17 6	-20 8	999 9	99 9	99 9	99 9	312 1	316 1	1 4	75 9	999 9	999
22	0	608 1	475 0	-21 0	-22 0	999 9	99 9	99 9	99 9	313 6	317 3	1 1	86 7	999 9	999
23	0	648 1	450 0	-23 5	-24 5	999 9	99 9	99 9	99 9	318 7	319 6	0 8	70 4	999 9	999
24	0	681 2	425 0	-25 1	-26 3	999 9	99 9	99 9	99 9	320 5	320 5	0 5	54 3	999 9	999
25	0	712 9	400 0	-27 9	-28 3	999 9	99 9	99 9	99 9	321 0	322 4	0 4	47 5	999 9	999
26	0	733 2	375 0	-30 7	-30 1	999 9	99 9	99 9	99 9	322 4	322 4	0 2	50 9	999 9	999
27	0	761 2	350 0	-33 4	-38 1	999 9	99 9	99 9	99 9	323 7	324 9	0 2	42 1	999 9	999
28	0	781 2	325 0	-36 5	-40 6	999 9	99 9	99 9	99 9	324 9	324 9	0 2	42 1	999 9	999
29	0	801 2	300 0	-39 5	-44 6	999 9	99 9	99 9	99 9	325 8	325 8	0 2	42 1	999 9	999
30	0	821 2	275 0	-42 1	-48 6	999 9	99 9	99 9	99 9	326 8	326 8	0 2	42 1	999 9	999
31	0	841 2	250 0	-45 1	-52 6	999 9	99 9	99 9	99 9	327 7	327 7	0 2	42 1	999 9	999
32	0	861 2	225 0	-48 1	-56 6	999 9	99 9	99 9	99 9	328 6	328 6	0 2	42 1	999 9	999
33	0	881 2	200 0	-51 1	-60 6	999 9	99 9	99 9	99 9	329 6	329 6	0 2	42 1	999 9	999
34	0	901 2	175 0	-54 1	-64 6	999 9	99 9	99 9	99 9	330 6	330 6	0 2	42 1	999 9	999
35	0	921 2	150 0	-57 1	-68 6	999 9	99 9	99 9	99 9	331 6	331 6	0 2	42 1	999 9	999
36	0	941 2	125 0	-60 1	-72 6	999 9	99 9	99 9	99 9	332 6	332 6	0 2	42 1	999 9	999
37	0	961 2	100 0	-63 1	-76 6	999 9	99 9	99 9	99 9	333 6	333 6	0 2	42 1	999 9	999
38	0	981 2	75 0	-66 1	-80 6	999 9	99 9	99 9	99 9	334 6	334 6	0 2	42 1	999 9	999
39	0	1001 2	50 0	-69 1	-84 6	999 9	99 9	99 9	99 9	335 6	335 6	0 2	42 1	999 9	999
40	0	1021 2	25 0	-72 1	-88 6	999 9	99 9	99 9	99 9	336 6	336 6	0 2	42 1	999 9	999
41	0	1041 2	0 0	-75 1	-92 6	999 9	99 9	99 9	99 9	337 6	337 6	0 2	42 1	999 9	999
42	0	1061 2	0 0	-78 1	-96 6	999 9	99 9	99 9	99 9	338 6	338 6	0 2	42 1	999 9	999
43	0	1081 2	0 0	-81 1	-100 6	999 9	99 9	99 9	99 9	339 6	339 6	0 2	42 1	999 9	999
44	0	1101 2	0 0	-84 1	-104 6	999 9	99 9	99 9	99 9	340 6	340 6	0 2	42 1	999 9	999
45	0	1121 2	0 0	-87 1	-108 6	999 9	99 9	99 9	99 9	341 6	341 6	0 2	42 1	999 9	999
46	0	1141 2	0 0	-90 1	-112 6	999 9	99 9	99 9	99 9	342 6	342 6	0 2	42 1	999 9	999
47	0	1161 2	0 0	-93 1	-116 6	999 9	99 9	99 9	99 9	343 6	343 6	0 2	42 1	999 9	999
48	0	1181 2	0 0	-96 1	-120 6	999 9	99 9	99 9	99 9	344 6	344 6	0 2	42 1	999 9	999
49	0	1201 2	0 0	-99 1	-124 6	999 9	99 9	99 9	99 9	345 6	345 6	0 2	42 1	999 9	999
50	0	1221 2	0 0	-102 1	-128 6	999 9	99 9	99 9	99 9	346 6	346 6	0 2	42 1	999 9	999

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 \*\* BY TEMP MEANS TEMPERATURE ON TIME HAVE BEEN INTERPOLATED  
 \*\*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 0 DEG  
 \*\*\*\* BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONT/CYS

ONLINE  
OF POCAS

ORIGINAL PAGE IS  
OF POOR QUALITY

STATION NO. 5  
DENTON, TEXAS  
6 FEBRUARY 1982  
2302 GMT

TIME MIN	CRTCT	HEIGHT OPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DEG
0 0	5 1	193 2	1013 5	-1 1	-13 3	360 0	0 0	0 0	0 0	272 0	275 0	1 3	36 0	0 0	0 0
0 4	6 4	290 9	1000 0	-3 0	-14 1	090 0	0 0	0 0	0 0	270 1	273 0	1 3	41 9	0 0	0 0
1 2	8 7	490 0	975 0	-5 1	-14 6	090 0	0 0	0 0	0 0	270 0	273 4	1 3	40 9	0 0	0 0
2 0	11 1	702 0	950 0	-8 0	-16 7	090 0	0 0	0 0	0 0	270 5	273 4	1 1	44 4	0 0	0 0
2 3	12 3	911 5	925 0	-8 0	-25 8	090 0	0 0	0 0	0 0	273 2	274 6	0 5	19 2	0 0	0 0
2 5	15 7	128 0	900 0	-3 0	-25 1	090 0	0 0	0 0	0 0	277 5	279 0	0 5	15 9	0 0	0 0
4 2	20 5	1358 1	875 0	-3 0	-25 8	090 0	0 0	0 0	0 0	280 1	281 6	0 5	15 8	0 0	0 0
5 1	22 9	1814 9	825 0	-3 1	-21 4	090 0	0 0	0 0	0 0	282 9	285 3	0 8	23 0	0 0	0 0
6 9	25 3	2059 3	600 0	-2 5	-15 6	090 0	0 0	0 0	0 0	286 0	289 9	1 4	35 0	0 0	0 0
7 0	27 8	2312 0	775 0	-2 1	-13 0	090 0	0 0	0 0	0 0	288 9	293 9	1 8	30 9	0 0	0 0
8 6	30 3	2573 2	759 0	-1 1	-16 5	090 0	0 0	0 0	0 0	292 1	296 1	1 4	30 9	0 0	0 0
9 6	32 9	2844 4	725 0	-0 5	-20 2	090 0	0 0	0 0	0 0	295 4	298 5	1 0	22 3	0 0	0 0
10 0	35 4	3125 8	700 0	-0 3	-16 9	090 0	0 0	0 0	0 0	300 1	303 7	1 2	21 7	0 0	0 0
11 0	38 1	3418 2	672 0	-0 9	-24 1	090 0	0 0	0 0	0 0	302 1	306 6	1 5	27 8	0 0	0 0
13 0	40 0	3718 3	650 0	-2 0	-24 4	090 0	0 0	0 0	0 0	305 8	308 7	0 8	15 1	0 0	0 0
14 1	43 4	4025 0	625 0	-5 7	-25 7	090 0	0 0	0 0	0 0	306 3	308 4	0 8	17 0	0 0	0 0
15 2	46 2	4344 5	600 0	-7 0	-25 7	090 0	0 0	0 0	0 0	307 1	309 0	0 7	18 4	0 0	0 0
16 4	48 0	4732 7	575 0	-10 4	-27 2	090 0	0 0	0 0	0 0	307 6	310 1	0 7	22 7	0 0	0 0
17 5	51 8	504 0	550 0	-12 5	-21 1	090 0	0 0	0 0	0 0	307 6	310 1	0 7	22 7	0 0	0 0
18 0	54 7	5500 5	525 0	-15 1	-21 0	090 0	0 0	0 0	0 0	308 2	312 3	1 3	23 0	0 0	0 0
20 1	57 0	5728 3	500 0	-17 1	-20 0	090 0	0 0	0 0	0 0	310 3	314 3	1 3	23 0	0 0	0 0
21 5	60 0	6118 3	475 0	-18 0	-21 5	090 0	0 0	0 0	0 0	312 2	317 1	1 6	25 9	0 0	0 0
22 0	63 7	6518 1	450 0	-22 2	-25 4	090 0	0 0	0 0	0 0	313 5	318 6	1 1	26 4	0 0	0 0
24 3	67 0	6938 5	425 0	-25 4	-31 3	090 0	0 0	0 0	0 0	315 4	319 1	0 8	70 1	0 0	0 0
25 0	70 3	7373 7	400 0	-29 0	-37 0	090 0	0 0	0 0	0 0	317 4	319 7	0 7	60 9	0 0	0 0
27 0	73 7	7823 4	375 0	-34 8	-34 8	253 9	41 8	40 1	1 1	318 9	320 7	0 5	77 0	0 0	0 0
28 2	77 3	8315 0	350 0	-36 1	-39 0	252 2	39 8	37 0	1 1	320 0	321 2	0 3	68 9	0 0	0 0
31 2	81 6	8820 4	325 0	-39 0	-43 0	251 4	43 1	40 9	1 2	321 6	322 9	0 3	68 9	0 0	0 0
33 0	84 8	9380 0	300 0	-43 0	-48 5	251 1	55 1	52 1	1 7	324 7	327 9	0 3	68 9	0 0	0 0
35 0	88 9	9931 0	275 0	-48 5	-53 0	251 1	55 1	52 1	2 6	327 9	333 1	0 3	68 9	0 0	0 0
37 0	93 0	10580 1	250 0	-53 0	-59 9	238 0	55 8	47 1	2 6	330 1	333 1	0 3	68 9	0 0	0 0
39 0	97 0	11284 7	225 0	-53 0	-63 0	238 0	55 8	47 1	2 6	333 1	333 1	0 3	68 9	0 0	0 0
42 2	102 4	12022 3	200 0	-57 7	-68 0	252 2	43 0	42 0	2 2	337 4	339 0	0 3	68 9	0 0	0 0
45 3	107 0	12875 0	175 0	-58 4	-68 0	252 2	43 0	42 0	2 2	337 4	339 0	0 3	68 9	0 0	0 0
48 3	113 0	13648 4	150 0	-58 4	-68 0	252 2	43 0	42 0	2 2	337 4	339 0	0 3	68 9	0 0	0 0
51 0	118 0	14570 4	125 0	-68 6	-68 0	252 2	43 0	42 0	2 2	337 4	339 0	0 3	68 9	0 0	0 0
52 0	125 7	15302 4	100 0	-70 7	-68 0	252 2	43 0	42 0	2 2	337 4	339 0	0 3	68 9	0 0	0 0
55 4	128 0	16003 5	75 0	-84 4	-68 0	252 2	43 0	42 0	2 2	337 4	339 0	0 3	68 9	0 0	0 0
58 0	133 0	16460 9	50 0	-84 4	-68 0	252 2	43 0	42 0	2 2	337 4	339 0	0 3	68 9	0 0	0 0
62 0	141 0	20460 9	25 0	-84 4	-68 0	252 2	43 0	42 0	2 2	337 4	339 0	0 3	68 9	0 0	0 0
65 3	148 3	24783 7	25 0	-84 4	-68 0	252 2	43 0	42 0	2 2	337 4	339 0	0 3	68 9	0 0	0 0

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 \*\* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 \*\*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 0 DEG  
 \*\*\*\* BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

STATION NO. 6  
ABILENE, TEXAS

6 FEBRUARY 1982  
2310 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POI T DG K	E POI T DG K	MX RTO CM/KG	RH PCT	RANGE KM	AZ DG
00	99	531.9	970.5	-0.2	-15.6	305.0	5.0	4.1	-2.9	275.3	278.5	1.2	30.0	0.0	0.0
01	99	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
02	99	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
03	13.7	701.6	950.0	-2.6	-22.4	99.9	99.9	99.9	99.9	274.5	276.4	0.7	20.1	0.0	0.0
04	13.7	912.3	900.0	-4.7	-20.5	99.9	99.9	99.9	99.9	274.5	276.6	0.8	25.2	0.0	0.0
05	18.5	1126.9	875.0	-6.1	-21.0	88.6	4.3	-4.3	-0.1	274.3	277.7	0.8	32.9	0.0	0.0
06	20.9	1346.2	850.0	-3.8	-23.6	59.4	3.2	-2.8	-1.6	282.2	284.1	0.8	34.4	0.0	0.0
07	23.3	1572.6	825.0	-0.9	-13.7	21.3	3.1	-1.1	-2.9	287.7	292.4	1.6	37.6	0.0	0.0
08	25.8	1809.6	800.0	1.6	-11.3	334.9	3.5	1.5	-3.2	292.9	298.7	2.3	41.3	0.0	0.0
09	28.3	2312.2	775.0	1.6	-10.2	291.3	6.3	5.8	-2.3	295.5	302.0	2.3	41.3	0.0	0.0
10	30.9	2578.7	750.0	2.2	-19.2	289.3	10.7	10.1	-3.5	299.0	302.5	1.1	19.0	0.0	0.0
11	33.5	2850.9	725.0	2.8	-22.7	281.4	13.9	13.6	-2.7	304.5	305.2	0.8	13.2	0.0	0.0
12	36.1	3133.7	700.0	1.4	-24.1	272.3	17.0	17.0	-0.7	304.5	306.6	0.8	12.8	0.0	0.0
13	38.6	3428.3	675.0	0.8	-23.4	268.4	20.3	20.3	0.5	306.5	309.6	0.9	14.2	0.0	0.0
14	41.4	3728.1	650.0	-1.6	-25.3	266.7	22.1	22.1	1.3	307.2	309.6	0.7	14.3	0.0	0.0
15	44.2	4028.8	625.0	-3.8	-27.5	263.5	22.9	22.7	2.6	308.1	311.7	0.8	13.7	0.0	0.0
16	47.0	4328.5	600.0	-6.2	-24.9	259.7	22.5	22.1	4.0	309.0	311.7	2.2	13.7	0.0	0.0
17	49.8	4631.0	575.0	-9.1	-14.3	258.2	23.5	23.2	4.2	309.6	316.0	2.2	13.7	0.0	0.0
18	52.6	4933.1	550.0	-12.1	-15.4	254.3	25.7	25.1	5.3	309.6	316.0	2.1	13.7	0.0	0.0
19	55.4	5235.7	525.0	-14.4	-17.3	254.3	28.2	27.3	7.4	313.3	318.6	1.9	13.7	0.0	0.0
20	58.2	5538.1	500.0	-16.2	-20.4	254.3	30.4	29.7	8.6	313.3	318.6	1.9	13.7	0.0	0.0
21	61.0	5840.9	475.0	-18.0	-22.4	254.3	32.4	31.7	9.8	313.3	318.6	1.9	13.7	0.0	0.0
22	63.8	6143.7	450.0	-20.0	-24.4	254.3	34.4	33.7	11.0	313.3	318.6	1.9	13.7	0.0	0.0
23	66.6	6446.5	425.0	-21.6	-26.4	254.3	36.4	35.9	12.2	313.3	318.6	1.9	13.7	0.0	0.0
24	69.4	6749.3	400.0	-23.2	-28.4	254.3	38.4	37.9	13.4	313.3	318.6	1.9	13.7	0.0	0.0
25	72.2	7052.1	375.0	-24.8	-30.4	254.3	40.4	39.9	14.6	313.3	318.6	1.9	13.7	0.0	0.0
26	75.0	7354.9	350.0	-26.4	-32.4	254.3	42.4	41.4	15.8	313.3	318.6	1.9	13.7	0.0	0.0
27	77.8	7657.7	325.0	-28.0	-34.4	254.3	44.4	43.4	17.0	313.3	318.6	1.9	13.7	0.0	0.0
28	80.6	7960.5	300.0	-29.6	-36.4	254.3	46.4	45.4	18.2	313.3	318.6	1.9	13.7	0.0	0.0
29	83.4	8263.3	275.0	-31.2	-38.4	254.3	48.4	47.4	19.4	313.3	318.6	1.9	13.7	0.0	0.0
30	86.2	8566.1	250.0	-32.8	-40.4	254.3	50.4	49.4	20.6	313.3	318.6	1.9	13.7	0.0	0.0
31	89.0	8868.9	225.0	-34.4	-42.4	254.3	52.4	51.4	21.8	313.3	318.6	1.9	13.7	0.0	0.0
32	91.8	9171.7	200.0	-36.0	-44.4	254.3	54.4	53.4	23.0	313.3	318.6	1.9	13.7	0.0	0.0
33	94.6	9474.5	175.0	-37.6	-46.4	254.3	56.4	55.4	24.2	313.3	318.6	1.9	13.7	0.0	0.0
34	97.4	9777.3	150.0	-39.2	-48.4	254.3	58.4	57.4	25.4	313.3	318.6	1.9	13.7	0.0	0.0
35	100.2	10080.1	125.0	-40.8	-50.4	254.3	60.4	59.4	26.6	313.3	318.6	1.9	13.7	0.0	0.0
36	103.0	10382.9	100.0	-42.4	-52.4	254.3	62.4	61.4	27.8	313.3	318.6	1.9	13.7	0.0	0.0
37	105.8	10685.7	75.0	-44.0	-54.4	254.3	64.4	63.4	29.0	313.3	318.6	1.9	13.7	0.0	0.0
38	108.6	10988.5	50.0	-45.6	-56.4	254.3	66.4	65.4	30.2	313.3	318.6	1.9	13.7	0.0	0.0
39	111.4	11291.3	25.0	-47.2	-58.4	254.3	68.4	67.4	31.4	313.3	318.6	1.9	13.7	0.0	0.0
40	114.2	11594.1	0.0	-48.8	-60.4	254.3	70.4	69.4	32.6	313.3	318.6	1.9	13.7	0.0	0.0
41	117.0	11896.9		-50.4	-62.4	254.3	72.4	71.4	33.8	313.3	318.6	1.9	13.7	0.0	0.0
42	119.8	12199.7		-52.0	-64.4	254.3	74.4	73.4	35.0	313.3	318.6	1.9	13.7	0.0	0.0
43	122.6	12502.5		-53.6	-66.4	254.3	76.4	75.4	36.2	313.3	318.6	1.9	13.7	0.0	0.0
44	125.4	12805.3		-55.2	-68.4	254.3	78.4	77.4	37.4	313.3	318.6	1.9	13.7	0.0	0.0
45	128.2	13108.1		-56.8	-70.4	254.3	80.4	79.4	38.6	313.3	318.6	1.9	13.7	0.0	0.0
46	131.0	13410.9		-58.4	-72.4	254.3	82.4	81.4	39.8	313.3	318.6	1.9	13.7	0.0	0.0
47	133.8	13713.7		-60.0	-74.4	254.3	84.4	83.4	41.0	313.3	318.6	1.9	13.7	0.0	0.0
48	136.6	14016.5		-61.6	-76.4	254.3	86.4	85.4	42.2	313.3	318.6	1.9	13.7	0.0	0.0
49	139.4	14319.3		-63.2	-78.4	254.3	88.4	87.4	43.4	313.3	318.6	1.9	13.7	0.0	0.0
50	142.2	14622.1		-64.8	-80.4	254.3	90.4	89.4	44.6	313.3	318.6	1.9	13.7	0.0	0.0
51	145.0	14924.9		-66.4	-82.4	254.3	92.4	91.4	45.8	313.3	318.6	1.9	13.7	0.0	0.0
52	147.8	15227.7		-68.0	-84.4	254.3	94.4	93.4	47.0	313.3	318.6	1.9	13.7	0.0	0.0
53	150.6	15530.5		-69.6	-86.4	254.3	96.4	95.4	48.2	313.3	318.6	1.9	13.7	0.0	0.0
54	153.4	15833.3		-71.2	-88.4	254.3	98.4	97.4	49.4	313.3	318.6	1.9	13.7	0.0	0.0
55	156.2	16136.1		-72.8	-90.4	254.3	100.4	99.4	50.6	313.3	318.6	1.9	13.7	0.0	0.0
56	159.0	16438.9		-74.4	-92.4	254.3	102.4	101.4	51.8	313.3	318.6	1.9	13.7	0.0	0.0
57	161.8	16741.7		-76.0	-94.4	254.3	104.4	103.4	53.0	313.3	318.6	1.9	13.7	0.0	0.0
58	164.6	17044.5		-77.6	-96.4	254.3	106.4	105.4	54.2	313.3	318.6	1.9	13.7	0.0	0.0
59	167.4	17347.3		-79.2	-98.4	254.3	108.4	107.4	55.4	313.3	318.6	1.9	13.7	0.0	0.0
60	170.2	17650.1		-80.8	-100.4	254.3	110.4	109.4	56.6	313.3	318.6	1.9	13.7	0.0	0.0

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 \*\* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 \*\*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG CONTACTS  
 \*\*\*\* BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

ORIGINAL PAGE IS  
OF POOR QUALITY

ORIG  
OF PAGE

STATION NO 7  
ENNIS, TEXAS  
6 FEBRUARY 1982  
1145 GMT

TIME MINS	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0 0	5 2	149.7	1020.2	-8 1	-14 1	340 0	2 5	0 9	-2 3	263 5	266 8	1 3	62 0	0 0	0
0 6	7 1	304.3	1000.0	-10 3	-15 6	354 8	8 6	0 8	-8 5	262 8	265 9	1 1	65 3	0 2	175
1 3	9 4	493.8	975.0	-12 1	-16 3	353 6	10 1	1 1	-10 0	262 8	265 9	1 1	70 7	0 6	174
2 0	11 7	698.8	950.0	-13 8	-17 2	4 7	10 6	0 8	-10 6	263 2	265 9	1 0	73 5	1 1	174
2 7	14 1	900.0	925.0	-11 8	-20 4	14 6	9 0	-2 3	-10 6	267 5	269 7	0 8	47 8	1 5	180
3 3	16 5	1112.0	900.0	-7 0	-20 0	14 9	6 8	-1 8	-6 6	274 3	276 7	0 9	34 6	1 8	183
4 4	18 0	1332.7	875.0	-3 6	-13 8	17 0	5 6	-1 8	-6 6	280 1	284 2	1 5	44 9	2 2	186
5 3	21 5	1564.7	850.0	1 3	-9 5	354 1	3 9	0 4	-3 9	287 5	293 6	2 2	44 4	2 4	185
6 0	24 0	1804.4	825.0	0 4	-9 9	311 0	4 0	3 0	-3 6	289 0	295 1	2 2	45 9	2 6	185
6 9	26 5	2052.9	800.0	3 2	-10 5	275 1	9 8	9 7	-2 0	294 5	301 3	2 2	39 3	2 6	177
7 8	28 0	2271.3	775.0	5 9	-10 5	277 3	16 2	16 0	-2 3	300 2	306 7	2 2	32 2	2 7	163
8 7	31 6	2579.0	750.0	4 1	-12 7	271 9	22 3	22 3	-2 3	301 0	307 8	2 0	32 2	3 3	147
9 6	34 2	2854.1	725.0	2 8	-13 5	266 0	23 9	23 9	0 8	302 5	308 8	1 9	34 3	4 2	134
10 5	36 9	3136.7	700.0	0 4	-14 4	266 1	26 4	26 4	1 3	303 0	310 3	1 8	34 7	5 4	116
11 5	39 4	3428.0	675.0	-0 8	-14 4	266 8	28 3	28 4	1 6	304 7	311 4	1 9	41 6	6 4	110
12 6	42 2	3728.3	650.0	-3 1	-13 9	265 2	29 1	29 0	2 5	305 7	312 0	2 1	52 9	7 7	105
13 7	45 0	4037.3	625.0	-5 9	-15 8	263 1	28 4	28 2	3 4	307 6	313 4	1 9	51 1	11 5	102
14 8	47 8	4356.5	600.0	-7 3	-15 8	262 6	27 2	27 0	3 3	308 6	314 0	1 6	50 0	13 3	99
15 0	50 6	4686.8	575.0	-9 8	-16 2	262 6	28 4	28 1	3 6	311 0	316 3	1 6	68 5	17 1	95
16 1	53 8	5028.1	550.0	-12 9	-19 0	258 3	29 2	28 5	8 1	313 1	317 1	0 7	31 4	19 3	93
17 1	56 6	5381.5	525.0	-14 5	-23 4	258 2	34 5	33 5	7 9	315 5	319 3	0 5	24 8	22 1	89
18 2	59 6	5750.0	500.0	-16 4	-23 4	258 8	40 8	40 0	11 1	317 4	322 9	0 5	33 9	28 0	86
19 3	62 9	6134.5	475.0	-18 2	-33 6	253 7	39 9	37 8	13 4	321 2	323 4	0 4	33 9	31 0	84
20 8	66 1	6536.3	450.0	-20 6	-33 0	249 8	38 7	36 3	14 7	322 9	324 4	0 4	41 1	35 0	83
21 9	69 4	6958.3	425.0	-21 8	-37 1	252 0	47 6	45 3	15 6	324 6	326 1	0 4	55 9	39 3	83
23 3	72 8	7403.0	400.0	-24 7	-37 5	252 0	45 5	42 6	99 9	327 9	328 8	0 3	99 9	99 9	99 9
24 7	76 3	7868.9	375.0	-26 0	-43 0	99 9	99 9	99 9	99 9	329 4	330 9	99 9	99 9	99 9	99 9
26 2	80 0	8382.2	350.0	-31 8	-43 0	99 9	99 9	99 9	99 9	330 9	331 4	99 9	99 9	99 9	99 9
27 8	83 7	8832.5	325.0	-35 4	-43 0	99 9	99 9	99 9	99 9	331 4	332 9	99 9	99 9	99 9	99 9
29 4	87 7	9435.5	300.0	-38 7	-43 0	99 9	99 9	99 9	99 9	332 9	334 4	99 9	99 9	99 9	99 9
31 2	91 9	99 9	275.0	-40 9	-43 0	99 9	99 9	99 9	99 9	334 4	335 9	99 9	99 9	99 9	99 9
33 6	96 9	99 9	250.0	-43 9	-43 0	99 9	99 9	99 9	99 9	335 9	337 4	99 9	99 9	99 9	99 9
35 9	99 9	99 9	225.0	-46 9	-43 0	99 9	99 9	99 9	99 9	337 4	338 9	99 9	99 9	99 9	99 9
38 3	99 9	99 9	200.0	-49 9	-43 0	99 9	99 9	99 9	99 9	338 9	340 4	99 9	99 9	99 9	99 9
40 8	99 9	99 9	175.0	-52 9	-43 0	99 9	99 9	99 9	99 9	340 4	341 9	99 9	99 9	99 9	99 9
43 3	99 9	99 9	150.0	-55 9	-43 0	99 9	99 9	99 9	99 9	341 9	343 4	99 9	99 9	99 9	99 9
45 9	99 9	99 9	125.0	-58 9	-43 0	99 9	99 9	99 9	99 9	343 4	344 9	99 9	99 9	99 9	99 9
48 4	99 9	99 9	100.0	-61 9	-43 0	99 9	99 9	99 9	99 9	344 9	346 4	99 9	99 9	99 9	99 9
50 9	99 9	99 9	75.0	-64 9	-43 0	99 9	99 9	99 9	99 9	346 4	347 9	99 9	99 9	99 9	99 9
53 4	99 9	99 9	50.0	-67 9	-43 0	99 9	99 9	99 9	99 9	347 9	349 4	99 9	99 9	99 9	99 9
56 0	99 9	99 9	25.0	-70 9	-43 0	99 9	99 9	99 9	99 9	349 4	350 9	99 9	99 9	99 9	99 9

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 \*\* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 \*\*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG  
 \*\*\*\* BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

ORIGINAL PAGE IS  
OF POOR QUALITY

STATION NO 7  
ENNIS, TEXAS  
6 FEBRUARY 1982  
1704 GMT

TIME MIN	CNTCT	HEIGHT GCM	PRES MB	TEMP DG C	DEW PT DG C	DLP DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG M	E POT T DG M	MI RTO CM/KG	RH PCT	RANGE KM	AZ DG
0 0	4 6	149 7	1023 1	-4 5	-14 3	330 0	2 5	1 3	-2 2	265 9	270 2	1 2	45 0	0 0	0
0 2	6 7	327 1	1000 0	-8 9	-16 2	4 0	7 7	-0 6	-7 7	264 2	266 6	0 8	46 7	0 4	176
0 7	9 1	522 3	975 0	-11 1	-16 0	4 1	7 4	-0 5	-7 4	263 9	266 5	0 9	46 7	0 5	178
1 5	11 5	721 2	950 0	-13 1	-16 4	4 1	7 6	-0 9	-7 6	263 9	266 4	0 9	44 0	0 8	180
2 2	13 8	924 5	925 0	-10 5	-13 1	12 3	8 9	-1 9	-8 7	268 5	270 6	0 7	41 3	1 2	184
3 0	16 3	1136 5	900 0	-10 5	-21 4	19 2	7 5	-2 5	-7 1	274 6	276 8	0 8	30 4	1 6	187
3 8	18 6	1358 4	875 0	-3 2	-17 4	16 3	4 5	-1 3	-4 3	280 5	283 6	1 1	32 3	1 8	189
4 6	21 3	1588 7	850 0	-0 8	-16 7	336 0	3 9	1 6	-3 5	285 3	288 8	1 2	28 7	2 1	189
5 4	23 6	1827 5	825 0	-0 4	-11 8	292 5	4 1	3 8	-3 8	289 2	293 6	1 9	41 9	2 2	185
6 2	26 3	2074 0	800 0	0 4	-11 7	295 1	8 9	8 1	-3 8	291 8	297 1	1 7	39 6	2 2	185
7 0	28 8	2328 8	775 0	2 7	-13 7	268 2	15 3	15 2	-4 1	296 0	302 9	1 5	29 7	2 3	183
7 8	31 4	2584 5	750 0	1 3	-14 6	278 2	14 4	13 8	4 1	298 0	304 4	1 3	26 3	2 3	183
8 6	34 0	2866 3	725 0	-0 5	-17 4	262 4	19 8	18 7	2 4	293 7	306 4	1 2	24 9	2 3	128
9 4	36 6	3146 5	700 0	-1 6	-19 1	252 6	22 9	21 9	5 9	302 2	311 3	1 0	21 7	4 8	114
10 2	39 2	3435 6	675 0	-2 2	-21 2	232 9	25 8	24 9	8 8	307 5	312 5	1 7	20 8	5 9	105
11 0	41 9	3735 3	650 0	-4 6	-16 9	234 7	27 4	26 1	7 1	307 2	313 6	1 7	20 8	7 4	95
11 8	44 7	4045 8	625 0	-7 6	-15 7	257 1	28 5	27 4	6 4	307 3	314 6	2 2	20 7	9 1	95
12 6	47 5	4365 3	600 0	-10 2	-14 6	256 9	30 1	29 3	6 6	308 0	314 6	2 2	20 7	10 8	92
13 4	50 2	4685 1	575 0	-14 4	-22 2	256 8	32 2	31 7	6 7	310 0	317 9	1 2	43 4	12 9	89
14 2	53 1	5036 5	550 0	-17 3	-23 5	256 8	34 4	33 4	6 7	311 1	317 9	1 1	43 4	15 0	87
15 0	56 1	5391 1	525 0	-19 0	-24 9	256 8	36 8	35 9	9 9	314 5	317 9	1 1	58 6	17 9	999
15 8	59 1	5759 1	500 0	-19 0	-24 9	256 8	39 2	38 9	9 9	314 5	317 9	1 1	58 6	19 9	999
16 6	62 3	6142 3	475 0	-19 0	-24 9	256 8	41 6	40 9	9 9	314 5	317 9	1 1	58 6	21 9	999
17 4	65 3	6500 0	450 0	-19 0	-24 9	256 8	44 0	43 9	9 9	314 5	317 9	1 1	58 6	23 9	999
18 2	68 3	6850 0	425 0	-19 0	-24 9	256 8	46 4	45 9	9 9	314 5	317 9	1 1	58 6	25 9	999
19 0	71 3	7200 0	400 0	-19 0	-24 9	256 8	48 8	47 9	9 9	314 5	317 9	1 1	58 6	27 9	999
19 8	74 3	7550 0	375 0	-19 0	-24 9	256 8	51 2	50 9	9 9	314 5	317 9	1 1	58 6	29 9	999
20 6	77 3	7900 0	350 0	-19 0	-24 9	256 8	53 6	52 9	9 9	314 5	317 9	1 1	58 6	31 9	999
21 4	80 3	8250 0	325 0	-19 0	-24 9	256 8	56 0	55 9	9 9	314 5	317 9	1 1	58 6	33 9	999
22 2	83 3	8600 0	300 0	-19 0	-24 9	256 8	58 4	57 9	9 9	314 5	317 9	1 1	58 6	35 9	999
23 0	86 3	8950 0	275 0	-19 0	-24 9	256 8	60 8	60 9	9 9	314 5	317 9	1 1	58 6	37 9	999
23 8	89 3	9300 0	250 0	-19 0	-24 9	256 8	63 2	62 9	9 9	314 5	317 9	1 1	58 6	39 9	999
24 6	92 3	9650 0	225 0	-19 0	-24 9	256 8	65 6	64 9	9 9	314 5	317 9	1 1	58 6	41 9	999
25 4	95 3	10000 0	200 0	-19 0	-24 9	256 8	68 0	67 9	9 9	314 5	317 9	1 1	58 6	43 9	999
26 2	98 3	10350 0	175 0	-19 0	-24 9	256 8	70 4	69 9	9 9	314 5	317 9	1 1	58 6	45 9	999
27 0	101 3	10700 0	150 0	-19 0	-24 9	256 8	72 8	71 9	9 9	314 5	317 9	1 1	58 6	47 9	999
27 8	104 3	11050 0	125 0	-19 0	-24 9	256 8	75 2	73 9	9 9	314 5	317 9	1 1	58 6	49 9	999
28 6	107 3	11400 0	100 0	-19 0	-24 9	256 8	77 6	75 9	9 9	314 5	317 9	1 1	58 6	51 9	999
29 4	110 3	11750 0	75 0	-19 0	-24 9	256 8	80 0	77 9	9 9	314 5	317 9	1 1	58 6	53 9	999
30 2	113 3	12100 0	50 0	-19 0	-24 9	256 8	82 4	79 9	9 9	314 5	317 9	1 1	58 6	55 9	999
31 0	116 3	12450 0	25 0	-19 0	-24 9	256 8	84 8	81 9	9 9	314 5	317 9	1 1	58 6	57 9	999
31 8	119 3	12800 0	0 0	-19 0	-24 9	256 8	87 2	83 9	9 9	314 5	317 9	1 1	58 6	59 9	999

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 8 AND 10 DEG  
 \* BY TEMP MEANS TEMPERATURE ON TIME HAVE BEEN INTERPOLATED  
 \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 8 DEG CONTACTS  
 \*\* BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

# ORIGINAL RECORD OF POUND CITY

STATION NO. 7 ENNIS, TEXAS FEBRUARY 1962 2300 GMT														121	107	0
TIME MIN	CHTCT	WEIGHT GPM	PRES MM	TEMP DG C	DEM PT DG C	DIB DG	SPEED M/SEC	U COMP M/SEC	COMP M/SEC	POY DG F	E POY DG F	WJ STO CM/NO	RM POY	RANGE FM	AZ DG	
0 5	0 0	197 7	1018 6	-2 7	-16 0	310 0	1 5	-0 1	1 0	274 4	279 3	1 8	40 1	0 0	0 0	
0 5	0 0	287 1	1000 0	-2 7	-16 0	310 0	1 5	-0 1	1 0	274 4	279 3	1 8	40 1	0 0	0 0	
1 0	0 0	287 3	975 0	-2 7	-16 1	310 0	1 5	-0 1	1 0	274 4	279 3	1 8	40 1	0 0	0 0	
1 1	1 1	761 4	950 0	-6 0	-17 7	19 0	6 8	-1 2	6 7	270 0	272 8	1 1	33 8	0 0	0 0	
2 0	1 1	999 9	925 0	-6 0	-17 7	19 0	6 8	-1 2	6 7	270 0	272 8	1 1	33 8	0 0	0 0	
3 0	1 1	125 8	900 0	-6 0	-24 5	21 3	6 5	-1 1	6 5	272 0	275 5	0 5	33 0	1 1	1 05	
4 4	1 1	1348 0	875 0	-2 6	-24 0	37 4	10 0	-6 4	8 4	272 0	280 2	0 5	33 0	1 1	1 05	
5 2	2 0	1578 0	850 0	-2 6	-24 0	40 2	9 5	-5 5	8 4	281 1	282 0	0 5	33 0	2 4	2 05	
6 1	2 0	1819 1	825 0	-2 6	-24 0	23 0	4 2	-1 0	3 9	280 2	281 3	0 5	33 0	2 4	2 05	
7 0	2 0	2087 1	800 0	-1 5	-20 5	1 5	4 1	-0 1	4 1	290 2	296 4	2 2	42 9	2 4	2 05	
7 9	2 0	2323 8	775 0	1 6	-9 1	325 1	4 9	2 6	4 0	292 3	299 7	2 4	44 7	2 4	2 05	
8 9	3 0	2588 0	750 0	2 8	-14 7	270 9	8 9	2 9	3 2	297 0	304 5	1 1	39 7	2 4	2 05	
9 7	3 0	2883 8	725 0	2 7	-19 9	266 0	15 5	-5 5	1 1	302 4	305 8	1 1	39 7	2 4	2 05	
10 6	3 0	3145 8	700 0	0 3	-20 8	263 6	15 8	-5 8	1 1	302 4	305 8	1 1	39 7	2 4	2 05	
11 7	3 0	3428 2	675 0	-1 0	-21 4	264 1	20 0	-9 8	1 9	304 5	307 7	1 0	39 7	2 4	2 05	
12 0	4 0	3737 3	650 0	-1 0	-21 4	262 0	25 1	-24 8	3 1	307 8	315 8	2 3	51 7	4 7	1 18	
13 0	4 0	4048 7	625 0	-4 1	-19 4	263 8	28 2	-28 0	3 1	307 8	315 8	2 3	51 7	4 7	1 18	
14 0	4 0	4360 4	600 0	-7 0	-17 3	260 8	27 3	-27 0	4 4	309 4	314 7	2 3	51 7	4 7	1 18	
15 0	4 0	4709 4	575 0	-9 1	-17 3	260 8	27 3	-27 0	4 4	309 4	314 7	2 3	51 7	4 7	1 18	
16 3	4 0	5037 6	550 0	-11 8	-21 4	258 7	28 2	-28 2	5 5	310 0	314 7	1 1	51 7	4 7	1 18	
17 4	5 1	5370 8	525 0	-14 2	-21 1	258 1	28 2	-28 2	5 5	310 0	314 7	1 1	51 7	4 7	1 18	
18 7	5 1	5700 8	500 0	-17 2	-20 2	260 8	22 3	-22 7	6 3	311 3	315 7	1 5	55 8	14 0	0 32	
20 0	5 1	6030 8	475 0	-18 5	-20 2	260 8	22 3	-22 7	6 3	311 3	315 7	1 5	55 8	14 0	0 32	
21 3	5 1	6360 8	450 0	-21 0	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
22 6	5 1	6690 8	425 0	-23 8	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
24 1	5 1	7020 8	400 0	-26 6	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
25 7	5 1	7350 8	375 0	-29 4	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
27 2	5 1	7680 8	350 0	-32 2	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
28 7	5 1	8010 8	325 0	-35 0	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
30 4	5 1	8340 8	300 0	-37 7	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
32 1	5 1	8670 8	275 0	-40 5	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
33 8	5 1	9000 8	250 0	-43 3	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
35 5	5 1	9330 8	225 0	-46 1	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
37 2	5 1	9660 8	200 0	-48 9	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
38 9	5 1	10000 8	175 0	-51 7	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
40 6	5 1	10330 8	150 0	-54 5	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
42 3	5 1	10660 8	125 0	-57 3	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
44 0	5 1	11000 8	100 0	-60 1	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
45 7	5 1	11330 8	75 0	-62 9	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
47 4	5 1	11660 8	50 0	-65 7	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
49 1	5 1	12000 8	25 0	-68 5	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
50 8	5 1	12330 8	0 0	-71 3	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
52 5	5 1	12660 8	0 0	-74 1	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
54 2	5 1	13000 8	0 0	-76 9	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
55 9	5 1	13330 8	0 0	-79 7	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
57 6	5 1	13660 8	0 0	-82 5	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
59 3	5 1	14000 8	0 0	-85 3	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
61 0	5 1	14330 8	0 0	-88 1	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
62 7	5 1	14660 8	0 0	-90 9	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
64 4	5 1	15000 8	0 0	-93 7	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
66 1	5 1	15330 8	0 0	-96 5	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
67 8	5 1	15660 8	0 0	-99 3	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
69 5	5 1	16000 8	0 0	-102 1	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
71 2	5 1	16330 8	0 0	-104 9	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
72 9	5 1	16660 8	0 0	-107 7	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
74 6	5 1	17000 8	0 0	-110 5	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
76 3	5 1	17330 8	0 0	-113 3	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
78 0	5 1	17660 8	0 0	-116 1	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
79 7	5 1	18000 8	0 0	-118 9	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
81 4	5 1	18330 8	0 0	-121 7	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
83 1	5 1	18660 8	0 0	-124 5	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
84 8	5 1	19000 8	0 0	-127 3	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
86 5	5 1	19330 8	0 0	-130 1	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
88 2	5 1	19660 8	0 0	-132 9	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
90 0	5 1	20000 8	0 0	-135 7	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
91 7	5 1	20330 8	0 0	-138 5	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
93 4	5 1	20660 8	0 0	-141 3	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
95 1	5 1	21000 8	0 0	-144 1	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
96 8	5 1	21330 8	0 0	-146 9	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
98 5	5 1	21660 8	0 0	-149 7	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
100 2	5 1	22000 8	0 0	-152 5	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
101 9	5 1	22330 8	0 0	-155 3	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
103 6	5 1	22660 8	0 0	-158 1	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
105 3	5 1	23000 8	0 0	-160 9	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
107 0	5 1	23330 8	0 0	-163 7	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
108 7	5 1	23660 8	0 0	-166 5	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
110 4	5 1	24000 8	0 0	-169 3	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
112 1	5 1	24330 8	0 0	-172 1	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
113 8	5 1	24660 8	0 0	-174 9	-20 8	258 8	20 4	-20 6	8 3	318 4	320 0	1 0	55 8	14 0	0 32	
115 5	5 1	25000 8	0 0	-17												

STATION NO 8  
BROWNWOOD, TEXAS  
6 FEBRUARY 1982  
1722 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	D/R DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	M <sup>2</sup> RTO CM <sup>2</sup> /KG	RH PCT	RANGE NM	AZ DG
00	00	502.3	977.2	00	-14.7	316	0	5.6	-5.8	268.9	272.2	1.2	50	0	0
00	00	1000.0	977.2	00	00	316	0	00	00	00	00	00	00	00	00
00	00	975.0	975.0	00	-17.0	337	0	00	-8.2	267.8	270.5	1.0	45	0	0
00	00	975.0	975.0	00	-18.2	343	0	00	-7.2	268.1	270.5	1.0	47	0	0
00	00	925.0	925.0	00	-17.8	358	0	00	-6.4	268.4	270.5	1.0	52	0	0
00	00	925.0	925.0	00	-20.4	358	0	00	-6.4	268.4	270.5	1.0	52	0	0
00	00	905.0	905.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	875.0	875.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	850.0	850.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	825.0	825.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	800.0	800.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	775.0	775.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	750.0	750.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	725.0	725.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	700.0	700.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	675.0	675.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	650.0	650.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	625.0	625.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	600.0	600.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	575.0	575.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	550.0	550.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	525.0	525.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	500.0	500.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	475.0	475.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	450.0	450.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	425.0	425.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	400.0	400.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	375.0	375.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	350.0	350.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	325.0	325.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	300.0	300.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	275.0	275.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	250.0	250.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	225.0	225.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	200.0	200.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	175.0	175.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	150.0	150.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	125.0	125.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	100.0	100.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	75.0	75.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	50.0	50.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	25.0	25.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0
00	00	2475.0	2475.0	00	-24.3	358	0	00	-5.1	268.4	270.5	1.0	52	0	0

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 \*\* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 \*\*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG  
 \*\*\*\* BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

ORIGINAL  
OF POOR QUALITY



ORIGINAL PAGE  
OF POOR QUALITY

STATION NO. 9  
HEWITT, TEXAS

5 FEBRUARY 1982  
1713 GMT

TIME MIN	CHTCT	HEIGHT GPM	PRES MS	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0 0	5 5	184.1	1010.0	-3.4	-14.1	999.9	99.9	99.9	99.9	208.5	271.9	1.3	43.0	999.9	999.9
0 6	6 9	99.9	1000.0	99.9	99.9	999.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
1 5	9 3	99.9	975.0	99.9	99.9	999.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
2 4	11.0	99.9	950.0	99.9	99.9	999.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
3 5	14.0	99.9	925.0	99.9	99.9	999.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
4 5	16.4	99.9	900.0	99.9	99.9	999.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
5 5	18.9	99.9	875.0	99.9	99.9	999.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
6 2	21.3	99.9	850.0	0.1	-10.6	999.9	99.9	99.9	99.9	286.3	291.9	2.0	44.2	999.9	999.9
7 1	23.8	99.9	825.0	5.2	-8.9	999.9	99.9	99.9	99.9	294.1	300.8	2.4	35.5	999.9	999.9
8 1	26.3	99.9	800.0	8.5	-12.5	999.9	99.9	99.9	99.9	298.1	303.8	1.8	24.2	999.9	999.9
9 1	28.8	99.9	775.0	8.5	-14.0	999.9	99.9	99.9	99.9	300.8	305.8	1.7	21.5	999.9	999.9
10 3	31.4	99.9	750.0	4.7	-14.4	999.9	99.9	99.9	99.9	301.5	307.0	1.5	23.7	999.9	999.9
11 4	34.0	99.9	700.0	1.0	-16.2	999.9	99.9	99.9	99.9	302.5	307.5	1.3	23.2	999.9	999.9
12 6	36.7	99.9	650.0	-0.5	-18.5	999.9	99.9	99.9	99.9	303.6	307.5	1.3	21.5	999.9	999.9
13 9	39.3	99.9	625.0	-1.3	-17.0	999.9	99.9	99.9	99.9	305.1	309.0	1.3	23.3	999.9	999.9
15 1	42.0	99.9	600.0	-3.3	-10.2	999.9	99.9	99.9	99.9	307.5	312.3	1.5	29.0	999.9	999.9
16 4	44.8	99.9	575.0	-6.1	-10.9	999.9	99.9	99.9	99.9	308.7	317.1	2.8	58.7	999.9	999.9
17 7	47.7	99.9	550.0	-8.5	-10.9	999.9	99.9	99.9	99.9	310.0	318.8	2.9	82.5	999.9	999.9
19 1	50.5	99.9	525.0	-10.7	-13.2	999.9	99.9	99.9	99.9	311.4	319.1	2.5	82.4	999.9	999.9
20 6	53.5	99.9	500.0	-12.6	-21.5	999.9	99.9	99.9	99.9	313.3	317.5	1.3	47.1	999.9	999.9
22 1	56.5	99.9	475.0	-15.2	-25.7	999.9	99.9	99.9	99.9	314.5	317.6	1.1	52.4	999.9	999.9
23 7	59.5	99.9	450.0	-16.9	-24.1	999.9	99.9	99.9	99.9	317.1	322.2	1.2	68.5	999.9	999.9
25 3	62.6	99.9	425.0	-19.9	-25.8	999.9	99.9	99.9	99.9	319.8	323.4	1.1	78.2	999.9	999.9
27 0	65.9	99.9	400.0	-22.8	-25.9	999.9	99.9	99.9	99.9	322.3	323.4	1.1	99.9	999.9	999.9
30 5	72.8	99.9	375.0	-25.2	-25.9	999.9	99.9	99.9	99.9	323.4	323.4	1.1	99.9	999.9	999.9
33 9	79.8	99.9	350.0	-28.9	-25.9	999.9	99.9	99.9	99.9	323.4	323.4	1.1	99.9	999.9	999.9
36 9	86.8	99.9	325.0	-32.8	-25.9	999.9	99.9	99.9	99.9	323.4	323.4	1.1	99.9	999.9	999.9
39 9	93.8	99.9	300.0	-36.7	-25.9	999.9	99.9	99.9	99.9	323.4	323.4	1.1	99.9	999.9	999.9
42 9	100.8	99.9	275.0	-40.6	-25.9	999.9	99.9	99.9	99.9	323.4	323.4	1.1	99.9	999.9	999.9
45 9	107.8	99.9	250.0	-44.5	-25.9	999.9	99.9	99.9	99.9	323.4	323.4	1.1	99.9	999.9	999.9
48 9	114.8	99.9	225.0	-48.4	-25.9	999.9	99.9	99.9	99.9	323.4	323.4	1.1	99.9	999.9	999.9
51 9	121.8	99.9	200.0	-52.3	-25.9	999.9	99.9	99.9	99.9	323.4	323.4	1.1	99.9	999.9	999.9
54 9	128.8	99.9	175.0	-56.2	-25.9	999.9	99.9	99.9	99.9	323.4	323.4	1.1	99.9	999.9	999.9
57 9	135.8	99.9	150.0	-60.1	-25.9	999.9	99.9	99.9	99.9	323.4	323.4	1.1	99.9	999.9	999.9
60 9	142.8	99.9	125.0	-64.0	-25.9	999.9	99.9	99.9	99.9	323.4	323.4	1.1	99.9	999.9	999.9
63 9	149.8	99.9	100.0	-67.9	-25.9	999.9	99.9	99.9	99.9	323.4	323.4	1.1	99.9	999.9	999.9
66 9	156.8	99.9	75.0	-71.8	-25.9	999.9	99.9	99.9	99.9	323.4	323.4	1.1	99.9	999.9	999.9
69 9	163.8	99.9	50.0	-75.7	-25.9	999.9	99.9	99.9	99.9	323.4	323.4	1.1	99.9	999.9	999.9
72 9	170.8	99.9	25.0	-79.6	-25.9	999.9	99.9	99.9	99.9	323.4	323.4	1.1	99.9	999.9	999.9

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 \*\* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 \*\*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG  
 \*\*\*\* BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

STATION NO. 9  
HEWITT, TEXAS  
6 FEBRUARY 1982  
2300 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT 1 DG M	E POT 1 DG M	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	5.8	184.1	1011.9	0.0	-12.9	20.0	4.0	-1.4	-3.8	272.2	276.0	1.4	37.0	0.0	0
0.2	6.9	278.5	1000.0	-1.8*	-9.9	16.3	5.0	-1.6	-5.4	271.4	274.6	99.9	99.9	0.2	209
1.0	9.1	478.0	975.0	-4.1	-13.9	10.2	6.1	-1.1	-0.0	271.1	274.6	1.3	46.3	0.4	203
1.8	11.5	683.2	950.0	-6.2	-14.7	5.0	6.3	-0.5	-6.3	271.0	274.4	1.3	50.7	0.7	195
2.6	13.8	891.2	925.0	-8.0	-15.6	25.0	8.5	-3.7	-7.6	271.1	274.4	1.2	54.2	1.0	193
3.4	16.1	1105.0	900.0	-4.4	-17.3	47.1	12.2	-9.0	-8.3	277.0	279.1	0.7	24.3	1.5	203
4.3	18.5	1327.4	875.0	-3.1	-17.3	44.4	10.4	-7.3	-7.4	280.6	283.8	1.1	32.2	2.1	211
5.2	20.9	1558.4	850.0	0.5	-11.0	30.1	4.8	-2.4	-4.1	286.7	292.1	1.9	41.7	2.5	212
6.0	23.3	1788.4	825.0	1.9	-8.4	10.6	2.8	-0.5	-2.7	290.6	297.5	2.5	46.4	2.5	212
6.8	25.6	2048.2	800.0	5.7	-8.9	308.7	4.5	3.5	-2.6	297.3	304.3	2.4	34.0	2.7	209
7.6	28.2	2307.9	775.0	5.2	-11.6	291.3	6.7	8.2	-2.4	300.6	308.3	2.0	28.4	2.7	202
8.4	30.6	2575.1	750.0	3.7	-12.3	263.7	12.6	12.7	-0.3	303.2	309.4	1.9	30.5	2.6	178
9.2	33.3	2848.9	725.0	3.4	-12.5	260.9	15.8	15.6	1.4	305.2	311.5	2.1	32.0	2.6	158
10.0	35.9	3134.0	700.0	2.5	-12.5	267.2	18.6	18.6	2.5	307.1	312.1	2.1	32.0	3.2	136
11.1	38.6	3427.3	675.0	1.3	-16.0	268.5	21.4	21.4	0.9	308.0	317.3	1.8	58.4	4.3	121
12.2	41.2	3730.0	650.0	-0.9	-8.5	268.5	22.8	22.8	0.8	307.9	317.1	3.1	67.5	5.7	113
13.4	44.0	4041.7	625.0	-4.0	-9.1	263.3	24.4	24.4	3.0	308.8	319.2	3.5	64.1	7.3	107
14.6	46.8	4362.6	600.0	-6.3	-9.4	258.2	24.8	24.8	4.9	310.4	317.1	2.4	82.0	9.0	101
15.8	49.6	4684.7	575.0	-8.7	-14.1	258.2	25.1	25.1	4.9	310.4	317.1	1.8	75.0	10.7	97
17.0	52.4	5037.8	550.0	-11.6	-19.1	265.7	27.3	27.3	2.0	313.6	318.9	1.7	82.2	12.4	95
18.3	55.3	5392.7	525.0	-14.2	-17.0	265.7	29.7	29.7	10.2	315.4	320.4	1.5	95.6	14.8	94
19.5	58.4	5781.8	500.0	-15.9	-22.0	250.7	30.8	30.8	8.5	316.3	321.0	1.0	76.8	17.2	92
20.8	61.5	6147.0	475.0	-18.3	-20.5	250.7	32.3	32.3	10.2	318.5	321.0	1.0	76.8	18.7	90
22.0	64.8	6546.2	450.0	-21.5	-26.7	254.8	33.6	33.6	8.5	319.0	321.0	0.8	65.7	22.6	87
23.3	67.9	6987.8	425.0	-27.7	-32.1	254.8	35.1	35.1	10.6	321.0	321.0	0.5	59.0	25.7	86
24.6	71.3	7468.4	400.0	-30.6	-38.0	254.8	36.1	36.1	15.0	321.0	321.0	0.3	36.2	29.4	84
26.0	74.7	7868.4	375.0	-32.0	-42.0	252.5	49.2	49.2	16.8	327.0	327.0	0.2	34.7	34.6	83
27.1	78.3	8357.3	350.0	-36.1	-46.0	249.3	50.0	50.0	19.8	327.0	327.0	0.2	34.7	40.2	81
28.6	82.0	8876.7	325.0	-41.4	-49.9	245.1	55.3*	55.3*	23.2	330.5	330.5	99.9	99.9	48.7	79
30.0	86.0	9426.2	300.0	-44.7	-59.9	241.3	55.3*	55.3*	28.5	333.3	333.3	99.9	99.9	54.6	78
31.3	90.2	10011.2	275.0	-48.6	-69.9	239.1	55.3*	55.3*	28.5	337.3	337.3	99.9	99.9	62.3	76
32.8	94.5	10544.2	250.0	-53.0	-79.9	235.9	53.7*	53.7*	21.9	345.9	345.9	99.9	99.9	70.8	74
34.0	98.0	11328.7	225.0	-54.9	-89.9	235.9	43.8	43.8	14.9	358.9	358.9	99.9	99.9	81.7	72
35.8	104.0	12083.6	200.0	-55.2	-99.9	235.9	43.8	43.8	11.0	364.4	364.4	99.9	99.9	90.3	72
37.3	108.4	12937.5	175.0	-61.4	-99.9	235.9	43.8	43.8	6.4	376.6	376.6	99.9	99.9	111.1	73
38.8	115.2	13808.4	150.0	-65.4	-99.9	235.9	30.9*	30.9*	4.3	389.2	389.2	99.9	99.9	133.2	74
40.8	121.7	14698.4	125.0	-71.7	-99.9	235.9	18.6*	18.6*	-1.3	418.7	418.7	99.9	99.9	156.7	76
42.4	128.0	15588.5	100.0	-73.6	-99.9	235.9	99.9	99.9	99.9	488.2	488.2	99.9	99.9	176.7	77
44.0	137.3	16480.9	75.0	-68.8	-99.9	235.9	99.9	99.9	99.9	619.0	619.0	99.9	99.9	196.8	77
45.6	147.0	17366.8	50.0	-57.8	-99.9	235.9	99.9	99.9	99.9			99.9	99.9		
47.1	157.0	18252.7	25.0	-57.8	-99.9	235.9	99.9	99.9	99.9			99.9	99.9		

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 8 AND 10 DEG  
 \*\* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 \*\*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG  
 \*\*\*\* BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

ORIGINAL  
OF

STATION NO 1C  
MENARD, TEXAS  
6 FEBRUARY 1992  
1225 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEM PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MZ RTG CM/KG	RH PCT	RANGE MM	AZ DG
0	10 1	500 3	985 1	-9 5	-19 2	999 9	99 9	99 9	99 9	266 4	266 7	0 9	45 0	999 9	999 9
99 9	99 9	99 9	1000 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
0 4	1 5	99 9	975 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
1 3	13 9	99 9	950 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
2 1	16 4	99 9	925 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
2 9	18 4	99 9	900 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
3 7	21 3	99 9	875 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
4 5	23 8	99 9	850 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
5 4	26 3	99 9	825 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
6 4	28 9	99 9	800 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
7 3	31 5	99 9	775 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
8 3	34 1	99 9	750 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
9 4	36 8	99 9	725 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
10 5	39 4	99 9	700 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
11 5	42 1	99 9	675 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
12 7	45 0	99 9	650 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
13 8	47 8	99 9	625 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
15 0	50 8	99 9	600 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
16 1	53 6	99 9	575 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
17 5	56 6	99 9	550 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
18 8	59 8	99 9	525 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
20 1	62 2	99 9	500 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
21 6	65 0	99 9	475 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
23 2	68 4	99 9	450 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
24 8	72 7	99 9	425 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
26 3	76 1	99 9	400 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
28 0	79 7	99 9	375 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
29 8	83 6	99 9	350 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
31 8	87 5	99 9	325 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
33 9	91 7	99 9	300 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
35 2	96 0	99 9	275 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
38 6	100 6	99 9	250 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
41 4	105 6	99 9	225 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
44 3	110 8	99 9	200 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
47 9	116 7	99 9	175 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
51 7	123 2	99 9	150 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
56 5	130 7	99 9	125 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
62 6	139 3	99 9	100 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
70 9	148 3	99 9	75 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
83 7	160 0	99 9	50 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
			25 0	99 9	99 9	999 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG  
 \*\* BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

ORIGINAL  
OF POOR QUALITY

STATION NO. 10  
MENARD, TEXAS  
6 FEBRUARY 1982  
1714 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/MG	RH PCT	RANGE NM	AZ DG
0 0	9 8	588 3	967 2	-5 5	-12 0	315 0	3 5	2 5	-2 5	270 2	274 4	1 6	60 0	0 0	0
0 9	99 9	99 9	1000 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
0 9	99 9	99 9	975 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
0 5	11 4	727 9	950 0	-9 0	-15 5	99 9	99 9	99 9	99 9	268 0	271 2	1 2	59 3	99 9	99 9
1 5	13 6	933 5	925 0	-11 0	-16 7	99 9	99 9	99 9	99 9	268 0	271 2	1 2	59 3	99 9	99 9
2 3	16 1	1143 2	900 0	-12 9	-19 0	99 9	99 9	-0 2	-7 6	268 2	270 8	0 9	60 1	99 9	99 9
3 1	15 5	1359 0	875 0	-9 0	-18 9	5 5	6 7	-0 8	-6 6	274 4	277 4	1 1	48 2	1 4	179
4 0	20 9	1588 0	850 0	-3 8	-8 8	5 5	8 0	-1 2	-7 9	282 2	288 5	2 3	58 3	1 8	181
4 8	23 2	1823 2	825 0	7 1	-9 7	337 0	5 5	2 1	-5 1	289 8	296 8	2 8	58 6	2 2	192
5 7	25 7	2074 1	775 0	0 7	-9 7	337 0	5 5	4 5	-3 1	301 1	308 9	2 3	29 3	2 5	176
6 5	28 1	2603 2	750 0	4 5	-10 6	290 1	6 9	3 7	-2 4	303 4	308 7	2 3	32 5	2 8	167
7 5	30 7	2878 6	725 0	3 3	-13 4	266 1	10 0	9 9	0 7	303 1	308 7	1 9	28 0	3 0	158
8 5	33 2	3162 8	700 0	3 0	-14 6	254 5	13 7	13 2	3 7	305 9	311 2	1 8	25 9	3 2	144
9 6	36 5	3456 8	675 0	1 6	-13 9	252 5	17 4	16 6	5 2	307 5	313 4	1 9	30 8	3 6	129
10 6	38 5	3758 9	650 0	-0 4	-11 2	252 9	18 9	18 1	5 6	308 5	316 0	2 5	43 8	4 5	115
11 8	41 2	4072 3	625 0	-3 2	-9 2	252 2	19 5	18 6	6 0	308 7	317 9	3 1	63 5	5 6	105
13 0	44 0	4394 7	600 0	-6 3	-8 5	252 3	23 3	22 2	7 1	308 8	318 7	3 3	64 2	6 8	99
14 1	46 8	4725 7	575 0	-9 1	-10 2	250 5	24 4	23 0	8 2	309 3	318 5	3 1	91 4	8 8	93
15 4	49 7	5068 4	550 0	-11 3	-17 8	253 4	22 1	21 2	6 3	310 6	316 1	1 8	60 4	10 2	89
16 0	52 6	5424 3	525 0	-13 7	-20 6	262 6	25 4	25 2	3 2	312 0	316 5	1 4	55 6	12 0	88
18 0	55 6	5794 3	500 0	-15 3	-24 5	267 0	29 0	29 0	1 5	314 3	317 8	1 3	45 4	14 2	87
19 3	58 6	6180 0	475 0	-17 9	-22 9	261 4	30 8	30 5	4 6	315 8	319 9	1 1	65 2	16 5	87
20 6	61 8	6582 4	450 0	-20 2	-24 8	254 6	32 1	30 9	8 4	317 8	321 5	0 9	68 9	18 4	86
22 2	65 5	7003 6	425 0	-23 4	-27 6	253 7	33 5	31 2	9 1	319 0	322 0	0 8	68 2	22 5	84
23 8	68 5	7443 6	400 0	-27 0	-29 8	250 3	33 7	31 7	11 3	319 9	322 6	0 8	77 0	25 8	83
25 5	72 6	7808 1	375 0	-30 4	-35 4	247 7	33 3	31 7	13 0	321 4	323 1	0 5	61 5	29 2	81
27 0	75 3	8384 2	350 0	-32 6	-42 1	244 7	37 3	33 7	16 0	324 6	325 8	0 3	38 5	32 9	79
28 6	83 1	8912 8	325 0	-36 2	-45 8	242 5	46 3	41 1	21 3	326 8	327 5	0 2	38 3	37 7	77
31 0	87 2	9463 2	300 0	-40 3	-49 9	242 7	47 7	42 4	21 8	328 5	329 9	99 9	99 9	43 5	75
33 1	91 3	10053 2	275 0	-43 6	-53 9	241 0	48 2	42 2	23 3	332 1	333 9	99 9	99 9	50 0	74
35 4	95 7	10688 9	250 0	-47 1	-58 9	236 6	50 5	42 2	23 8	336 1	338 2	99 9	99 9	57 0	72
37 8	100 4	11378 7	225 0	-52 4	-64 9	238 1	49 4	41 9	26 1	338 2	343 9	99 9	99 9	63 9	70
40 3	105 5	12132 4	200 0	-56 2	-69 9	238 4	48 6	41 5	25 0	343 9	349 9	99 9	99 9	72 9	69
43 2	110 8	12980 2	175 0	-58 4	-74 9	245 5	46 3	42 2	19 2	356 8	363 1	99 9	99 9	81 0	68
46 4	116 7	13848 3	150 0	-62 1	-79 9	247 2	44 5	41 0	17 2	363 1	369 9	99 9	99 9	90 9	68
50 1	123 5	15067 2	125 0	-65 3	-85 9	256 2	36 1	35 0	6 6	373 7	380 9	99 9	99 9	102 2	68
54 4	131 0	16409 0	100 0	-69 4	-90 9	257 4	32 7	32 9	6 7	393 7	399 9	99 9	99 9	111 0	69
58 4	139 7	18119 0	75 0	-71 5	-95 9	258 1	32 7	32 0	6 8	423 1	429 9	99 9	99 9	122 2	70
62 5	148 0	20589 4	50 0	-63 4	-99 9	260 5	31 8	31 8	-0 3	494 1	499 9	99 9	99 9	138 0	71
73 1	160 5	24818 8	25 0	-54 1	-99 9	173 2	15 4	-1 8	15 3	629 4	635 9	99 9	99 9	146 1	72

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 \*\* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 \*\*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG  
 \*\*\*\* BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

ORIGINAL  
OF POOR

STATION NO 10  
MENARD, TEXAS  
6 FEBRUARY 1982  
2318 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIP DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0 0	10 3	588 3	863 1	-2 0	-11 5	999 9	99 5	99 9	99 9	274 1	278 5	1 6	48 0	999 9	999 9
99 9	99 9	99 9	1000 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
99 9	99 9	99 9	975 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
0 0	11 5	99 9	950 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
1 0	13 9	99 9	925 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
2 5	16 2	99 9	900 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
3 5	18 6	99 9	875 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
4 5	21 0	99 9	850 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
5 5	23 5	99 9	825 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
6 5	25 9	99 9	800 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
7 5	28 5	99 9	775 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
8 5	31 0	99 9	750 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
9 6	33 6	99 9	725 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
10 6	36 2	99 9	700 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
11 7	38 9	99 9	675 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
12 8	41 6	99 9	650 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
13 9	44 3	99 9	625 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
15 1	47 1	99 9	600 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
16 2	50 0	99 9	575 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
17 4	52 8	99 9	550 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
18 6	55 6	99 9	525 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
19 8	58 4	99 9	500 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
21 1	62 0	99 9	475 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
22 4	65 1	99 9	450 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
23 7	68 5	99 9	425 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
25 1	71 9	99 9	400 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
26 5	75 3	99 9	375 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
27 9	78 9	99 9	350 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
29 9	82 7	99 9	325 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
31 8	86 7	99 9	300 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
34 0	90 7	99 9	275 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
36 4	95 2	99 9	250 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
39 0	99 8	99 9	225 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
41 6	104 0	99 9	200 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
44 7	110 0	99 9	175 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
48 1	116 0	99 9	150 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
51 9	122 5	99 9	125 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
56 3	128 7	99 9	100 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
61 9	134 3	99 9	75 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
69 9	140 9	99 9	50 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9
99 9	99 9	99 9	25 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	999 9	999 9	999 9

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 0 DEG  
 \*\* BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

STATION NO. 11  
BURNET, TEXAS

6 FEBRUARY 1962  
1712 GMT

TIME MIN	CNTCY	HEIGHT GPM	PRES MB	TEMP °C	DEW PT °C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE NM	AZ DG
00	0	386.5	990.5	-4.2	-11.9	999.9	99.9	99.9	99.9	269.7	273.8	1.8	55.0	999.9	999.9
01	0	386.5	990.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
02	0	509.8	875.0	-8.2	-15.1	999.9	99.9	99.9	99.9	265.9	270.1	1.2	57.4	999.9	999.9
03	1	710.7	850.0	-10.0	-15.2	999.9	99.9	99.9	99.9	265.9	270.1	1.2	57.4	999.9	999.9
04	2	915.7	925.0	-11.9	-15.1	999.9	99.9	99.9	99.9	267.2	271.3	99.9	99.9	999.9	999.9
05	3	1125.1	900.0	-10.0	-15.1	999.9	99.9	99.9	99.9	271.3	271.3	99.9	99.9	999.9	999.9
06	4	1345.1	875.0	-5.5	-8.5	999.9	99.9	99.9	99.9	278.2	278.2	99.9	99.9	999.9	999.9
07	5	1574.8	850.0	0.0	-8.5	999.9	99.9	99.9	99.9	286.2	286.2	99.9	99.9	999.9	999.9
08	6	1818.0	825.0	3.9	-8.5	999.9	99.9	99.9	99.9	292.8	292.8	2.4	35.4	999.9	999.9
09	7	2068.7	800.0	6.8	-12.3	999.9	99.9	99.9	99.9	296.8	296.8	2.4	35.4	999.9	999.9
10	8	2328.2	775.0	9.2	-12.3	999.9	99.9	99.9	99.9	301.4	301.4	1.9	24.2	999.9	999.9
11	9	2585.2	750.0	11.6	-14.4	999.9	99.9	99.9	99.9	305.2	305.2	1.7	22.5	999.9	999.9
12	10	2872.3	725.0	13.6	-14.4	999.9	99.9	99.9	99.9	308.4	308.4	1.6	20.2	999.9	999.9
13	11	3156.2	700.0	15.2	-14.7	999.9	99.9	99.9	99.9	307.0	307.0	1.9	18.9	999.9	999.9
14	12	3452.8	675.0	16.1	-10.1	999.9	99.9	99.9	99.9	308.8	308.8	1.5	16.9	999.9	999.9
15	13	3754.8	650.0	-2.3	-10.1	999.9	99.9	99.9	99.9	310.3	310.3	1.5	15.4	999.9	999.9
16	14	4067.6	625.0	-5.0	-15.6	999.9	99.9	99.9	99.9	311.1	311.1	2.1	13.7	999.9	999.9
17	15	4390.2	600.0	-8.1	-14.8	999.9	99.9	99.9	99.9	311.1	311.1	2.5	11.6	999.9	999.9
18	16	4722.9	575.0	-11.0	-13.5	999.9	99.9	99.9	99.9	313.4	313.4	1.4	9.4	999.9	999.9
19	17	5068.8	550.0	-12.5	-21.0	999.9	99.9	99.9	99.9	315.4	315.4	1.4	8.4	999.9	999.9
20	18	5423.5	525.0	-14.5	-20.9	999.9	99.9	99.9	99.9	317.5	317.5	1.3	7.4	999.9	999.9
21	19	5795.0	500.0	-16.8	-21.7	999.9	99.9	99.9	99.9	319.2	319.2	1.0	6.9	999.9	999.9
22	20	6182.6	475.0	-20.0	-23.3	999.9	99.9	99.9	99.9	320.7	320.7	0.9	5.2	999.9	999.9
23	21	6588.4	450.0	-23.3	-27.3	999.9	99.9	99.9	99.9	322.3	322.3	0.8	4.9	999.9	999.9
24	22	7007.7	425.0	-26.4	-28.6	999.9	99.9	99.9	99.9	325.3	325.3	0.7	4.5	999.9	999.9
25	23	7448.4	400.0	-27.4	-34.0	999.9	99.9	99.9	99.9	327.1	327.1	0.6	4.3	999.9	999.9
26	24	7915.0	375.0	-30.9	-37.5	999.9	99.9	99.9	99.9	329.4	329.4	0.5	4.1	999.9	999.9
27	25	8407.8	350.0	-34.7	-41.4	999.9	99.9	99.9	99.9	330.8	330.8	0.4	3.9	999.9	999.9
28	26	8929.5	325.0	-39.8	-44.5	999.9	99.9	99.9	99.9	335.9	335.9	0.3	3.8	999.9	999.9
29	27	9482.8	300.0	-44.5	-47.7	999.9	99.9	99.9	99.9	338.4	338.4	0.3	3.8	999.9	999.9
30	28	10071.6	275.0	-52.7	-52.7	999.9	99.9	99.9	99.9	347.1	347.1	0.3	3.8	999.9	999.9
31	29	11395.6	250.0	-54.1	-54.1	999.9	99.9	99.9	99.9	357.0	357.0	0.3	3.8	999.9	999.9
32	30	12155.3	225.0	-55.8	-55.8	999.9	99.9	99.9	99.9	363.2	363.2	0.3	3.8	999.9	999.9
33	31	13007.8	200.0	-62.2	-58.8	999.9	99.9	99.9	99.9	369.6	369.6	0.3	3.8	999.9	999.9
34	32	13875.0	175.0	-65.6	-59.8	999.9	99.9	99.9	99.9	424.0	424.0	0.3	3.8	999.9	999.9
35	33	15094.2	150.0	-71.5	-59.8	999.9	99.9	99.9	99.9	494.3	494.3	0.3	3.8	999.9	999.9
36	34	16432.3	125.0	-75.0	-59.8	999.9	99.9	99.9	99.9	628.1	628.1	0.3	3.8	999.9	999.9
37	35	18130.6	100.0	-83.4	-59.8	999.9	99.9	99.9	99.9						
38	36	20371.2	75.0	-54.5	-59.8	999.9	99.9	99.9	99.9						
39	37	24901.4	25.0	-54.5	-59.8	999.9	99.9	99.9	99.9						

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
\* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
\*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG  
\*\* BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

ORIGINAL  
OF POL...

STATION NO. 11  
BURNET, TEXAS  
6 FEBRUARY 1962  
23-00 GMT

TIME MIN	CNTCT	WEIGHT GPH	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POI T DG K	E POT T DG K	MX RTO CM/KG	RH PCT	RANGE NM	AZ DG
00	0	385	960	-1	-10	999	99	99	99	273	276	1	30	999	999
05	0	478	975	-2	-13	999	99	99	99	272	276	1	43	999	999
10	1	885	925	-4	-13	999	99	99	99	273	276	1	43	999	999
15	1	1108	900	-6	-14	999	99	99	99	273	277	1	56	999	999
20	1	1327	875	-7	-14	999	99	99	99	273	277	1	61	999	999
25	2	1556	850	-8	-14	999	99	99	99	273	277	1	61	999	999
30	2	1797	825	-9	-14	999	99	99	99	273	277	1	61	999	999
35	2	2048	800	-10	-14	999	99	99	99	273	277	1	61	999	999
40	2	2377	775	-11	-14	999	99	99	99	273	277	1	61	999	999
45	2	2577	750	-12	-14	999	99	99	99	273	277	1	61	999	999
50	2	2853	725	-13	-14	999	99	99	99	273	277	1	61	999	999
55	2	3139	700	-14	-14	999	99	99	99	273	277	1	61	999	999
00	3	3434	675	-15	-14	999	99	99	99	273	277	1	61	999	999
05	3	3738	650	-16	-14	999	99	99	99	273	277	1	61	999	999
10	3	4042	625	-17	-14	999	99	99	99	273	277	1	61	999	999
15	3	4371	600	-18	-14	999	99	99	99	273	277	1	61	999	999
20	3	4703	575	-19	-14	999	99	99	99	273	277	1	61	999	999
25	3	5047	550	-20	-14	999	99	99	99	273	277	1	61	999	999
30	3	5404	525	-21	-14	999	99	99	99	273	277	1	61	999	999
35	3	5775	500	-22	-14	999	99	99	99	273	277	1	61	999	999
40	3	6162	475	-23	-14	999	99	99	99	273	277	1	61	999	999
45	3	6565	450	-24	-14	999	99	99	99	273	277	1	61	999	999
50	3	6986	425	-25	-14	999	99	99	99	273	277	1	61	999	999
55	3	7427	400	-26	-14	999	99	99	99	273	277	1	61	999	999
00	4	7890	375	-27	-14	999	99	99	99	273	277	1	61	999	999
05	4	8380	350	-28	-14	999	99	99	99	273	277	1	61	999	999
10	4	8899	325	-29	-14	999	99	99	99	273	277	1	61	999	999
15	4	9448	300	-30	-14	999	99	99	99	273	277	1	61	999	999
20	4	10038	275	-31	-14	999	99	99	99	273	277	1	61	999	999
25	4	10673	250	-32	-14	999	99	99	99	273	277	1	61	999	999
30	4	11361	225	-33	-14	999	99	99	99	273	277	1	61	999	999
35	4	12118	200	-34	-14	999	99	99	99	273	277	1	61	999	999
40	4	12973	175	-35	-14	999	99	99	99	273	277	1	61	999	999
45	4	13848	150	-36	-14	999	99	99	99	273	277	1	61	999	999
50	4	15072	125	-37	-14	999	99	99	99	273	277	1	61	999	999
55	4	16416	100	-38	-14	999	99	99	99	273	277	1	61	999	999
00	5	18118	75	-39	-14	999	99	99	99	273	277	1	61	999	999
05	5	20538	50	-40	-14	999	99	99	99	273	277	1	61	999	999
10	5	24844	25	-41	-14	999	99	99	99	273	277	1	61	999	999
15	5	28444	0	-42	-14	999	99	99	99	273	277	1	61	999	999

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 0 DEG  
 \*\* BY TEMP MEANS MISSING DATA STRAUM EXCEEDS 5 CONTACTS

STATION NO 12  
COLLEGE STATION, TEXAS  
6 FEBRUARY 1982  
1401 GMT

TIME MIN	CMCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPD D M/S C	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX MTO GM/KG	RH PCT	RANGE KM	AZ DG
0 0	4 7	78 0	1028 1	-5 3	-13 0	380 0	7 5	0 0	-7 5	265 9	269 3	1 3	52 0	0 0	0
0 0	7 1	280 0	1000 0	-8 0	-12 0	380 0	99 9	99 9	99 9	265 2	268 8	1 4	87 0	999 9	999
1 4	0 3	470 0	975 0	-8 0	-12 5	380 0	99 9	99 9	99 9	265 2	268 8	1 5	87 6	999 9	999
2 0	11 7	870 0	950 0	-11 5	-13 1	353 5	6 5	1 0	-6 5	265 6	269 4	1 5	87 6	1 108	1
2 0	13 9	881 1	925 0	-8 9	-12 2	345 0	6 5	-0 9	-6 9	270 2	272 9	2 2	89 4	1 173	1
3 0	16 5	1005 0	900 0	-4 1	-2 0	345 0	6 5	1 7	-4 3	277 3	281 2	2 2	89 4	1 175	1
4 3	18 8	1319 0	875 0	-0 9	-1 6	289 5	6 5	7 7	-4 3	282 9	286 8	3 8	90 0	2 0 171	2
5 1	21 3	1553 1	850 0	3 0	5 7	281 9	13 6	13 5	1 9	289 3	302 8	5 1	90 0	2 2 157	2
5 9	23 7	1787 0	825 0	7 3	5 7	261 9	12 0	13 4	1 9	298 4	315 4	7 0	89 6	2 4 138	2
7 0	26 2	2051 0	800 0	6 5	4 9	246 2	21 0	19 2	8 4	300 7	316 8	8 8	89 3	3 0 124	3
7 0	28 7	2311 0	775 0	6 4	-19 9	244 1	15 4	13 6	6 7	302 2	303 8	1 0	13 1	3 8 104	3
8 2	31 2	2579 2	750 0	5 2	-20 5	252 4	10 5	10 0	3 2	305 3	305 3	0 9	13 5	4 4 94	4
10 4	33 7	2855 7	725 0	4 8	-21 5	252 4	12 8	12 2	3 9	304 8	307 8	0 9	12 7	5 2 94	5
11 9	36 3	3140 8	700 0	3 3	-22 3	255 5	14 1	13 6	3 5	306 2	308 9	0 9	12 0	6 4 90	6
12 3	38 9	3434 0	675 0	1 8	-23 3	260 7	15 4	15 2	2 5	307 7	310 6	0 9	14 1	7 6 88	7
13 1	41 8	3727 4	650 0	-0 7	-23 3	263 2	17 4	17 2	2 1	308 2	311 1	0 9	16 1	9 1 87	8
14 5	44 2	4048 0	625 0	-3 5	-20 5	264 5	17 6	17 6	1 7	308 5	312 3	1 2	25 3	10 8 87	9
16 2	47 1	4370 1	600 0	-5 5	-14 0	258 4	20 0	18 7	3 7	309 8	315 4	2 2	51 1	12 7 86	10
18 9	50 0	4703 0	575 0	-7 1	-23 1	258 4	20 0	20 2	4 7	311 7	315 0	1 0	28 5	14 6 85	11
21 3	52 8	5043 0	550 0	-10 0	-27 5	258 4	20 0	22 0	4 0	312 2	314 6	0 7	22 2	16 6 84	12
22 9	55 8	5404 2	525 0	-13 1	-24 4	262 0	24 5	24 3	3 2	312 7	316 0	1 0	38 0	18 9 84	13
24 7	58 8	5774 7	500 0	-14 7	-23 8	263 5	26 2	26 0	3 0	315 1	318 6	1 1	40 7	21 7 84	14
26 5	61 8	6161 6	475 0	-17 2	-21 7	252 5	26 5	25 3	8 0	316 7	321 3	1 1	67 5	24 4 83	15
28 2	64 9	6508 0	450 0	-18 4	-23 8	248 0	29 2	28 7	11 9	318 9	323 0	1 2	67 8	27 3 82	16
29 9	67 1	6808 2	425 0	-22 7	-24 7	248 1	32 4	30 0	12 1	320 0	323 9	0 9	83 4	30 1 80	17
31 7	71 4	7433 3	400 0	-23 5	-26 5	251 0	34 8	32 9	11 3	324 5	327 8	0 7	59 0	33 7 79	18
33 7	74 6	8398 1	375 0	-26 4	-32 0	247 8	34 9	31 5	13 2	326 7	329 1	0 5	59 7	36 1 78	19
35 8	78 3	8398 1	350 0	-30 0	-35 2	244 5	32 9	32 3	14 2	328 4	330 3	0 5	59 7	42 0 77	20
38 1	82 0	8921 3	325 0	-34 4	-38 8	244 5	32 9	32 7	16 7	331 2	332 1	0 2	50 7	46 9 76	21
40 4	85 8	9476 5	300 0	-42 7	-44 8	243 7	34 7	33 7	20 0	334 2	336 9	99 9	50 7	51 7 75	22
43 0	88 6	10000 1	275 0	-47 7	-48 1	243 7	34 7	33 7	20 0	334 2	336 9	99 9	50 7	51 7 75	23
45 0	91 2	10708 3	250 0	-51 3	-51 3	243 7	34 7	33 7	20 0	334 2	336 9	99 9	50 7	51 7 75	24
48 0	94 2	11300 3	225 0	-51 3	-51 3	243 7	34 7	33 7	20 0	334 2	336 9	99 9	50 7	51 7 75	25
50 9	96 8	99 9	200 0	-51 3	-51 3	243 7	34 7	33 7	20 0	334 2	336 9	99 9	50 7	51 7 75	26
52 9	99 9	99 9	175 0	-51 3	-51 3	243 7	34 7	33 7	20 0	334 2	336 9	99 9	50 7	51 7 75	27
55 9	99 9	99 9	150 0	-51 3	-51 3	243 7	34 7	33 7	20 0	334 2	336 9	99 9	50 7	51 7 75	28
58 9	99 9	99 9	125 0	-51 3	-51 3	243 7	34 7	33 7	20 0	334 2	336 9	99 9	50 7	51 7 75	29
61 9	99 9	99 9	100 0	-51 3	-51 3	243 7	34 7	33 7	20 0	334 2	336 9	99 9	50 7	51 7 75	30
64 9	99 9	99 9	75 0	-51 3	-51 3	243 7	34 7	33 7	20 0	334 2	336 9	99 9	50 7	51 7 75	31
67 9	99 9	99 9	50 0	-51 3	-51 3	243 7	34 7	33 7	20 0	334 2	336 9	99 9	50 7	51 7 75	32
70 9	99 9	99 9	25 0	-51 3	-51 3	243 7	34 7	33 7	20 0	334 2	336 9	99 9	50 7	51 7 75	33

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 \*\* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 \*\*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG  
 \*\*\*\* BY TEMP MEANS MISSING DATA STRUTUM EXCEEDS 5 CONTACTS

ORIGINAL  
OF P...



STATION NO 12  
COLLEGE STATION, TEXAS  
6 FEBRUARY 1982  
1701 GMT

TIME MIN	CNCT	WEIGHT G/M	PRES MM	TEMP DG C	DEW PT DG C	DIR D	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
00	4	70.0	1020.1	-3.2	-10.3	999.9	99.9	99.9	99.9	287.8	272.2	1.7	58.0	999.9	999.9
01	7	289.5	1000.6	-10.0	-13.3	999.9	99.9	99.9	99.9	284.1	267.8	1.4	71.3	999.9	999.9
02	9	400.9	975.0	-10.0	-13.3	999.9	99.9	99.9	99.9	284.1	267.8	1.4	82.6	999.9	999.9
03	11	800.0	950.0	-12.8	-13.6	999.9	99.9	99.9	99.9	270.5	272.9	0.9	92.5	999.9	999.9
04	13	800.0	925.0	-8.6	-11.9	999.9	99.9	99.9	99.9	274.9	279.6	1.8	97.2	999.9	999.9
05	15	1107.6	900.0	-6.4	-11.9	999.9	99.9	99.9	99.9	282.5	293.2	4.0	97.2	999.9	999.9
06	17	1329.4	875.0	-1.2	-4.3	999.9	99.9	99.9	99.9	291.0	307.4	6.1	97.6	999.9	999.9
07	19	1584.3	850.0	4.6	5.7	999.9	99.9	99.9	99.9	313.5	313.5	7.0	97.6	999.9	999.9
08	21	1809.0	825.0	5.7	5.7	999.9	99.9	99.9	99.9	314.9	314.9	6.8	99.4	999.9	999.9
09	23	2061.1	800.0	4.0	4.9	999.9	99.9	99.9	99.9	309.9	309.9	4.2	99.4	999.9	999.9
10	25	2310.0	775.0	4.5	2.4	999.9	99.9	99.9	99.9	301.5	302.0	0.5	99.4	999.9	999.9
11	27	2580.7	750.0	3.1	-20.1	999.9	99.9	99.9	99.9	302.8	302.8	0.7	10.5	999.9	999.9
12	29	2850.7	725.0	2.7	-20.2	999.9	99.9	99.9	99.9	305.5	307.8	0.7	15.8	999.9	999.9
13	31	3118.0	700.0	1.0	-25.4	999.9	99.9	99.9	99.9	305.5	309.9	1.4	20.5	999.9	999.9
14	33	3380.0	675.0	1.7	-22.0	999.9	99.9	99.9	99.9	307.0	311.3	1.4	27.6	999.9	999.9
15	35	3640.0	650.0	-1.7	-18.4	999.9	99.9	99.9	99.9	307.0	314.0	2.1	40.7	999.9	999.9
16	37	3900.0	625.0	-4.2	-13.6	999.9	99.9	99.9	99.9	308.2	315.9	2.5	60.9	999.9	999.9
17	39	4160.0	600.0	-6.9	-13.6	999.9	99.9	99.9	99.9	308.2	315.9	1.4	49.7	999.9	999.9
18	41	4420.0	575.0	-9.1	-20.1	999.9	99.9	99.9	99.9	310.8	315.4	1.5	37.6	999.9	999.9
19	43	4680.0	550.0	-11.2	-24.2	999.9	99.9	99.9	99.9	312.9	318.5	1.2	51.4	999.9	999.9
20	45	4940.0	525.0	-15.1	-22.0	999.9	99.9	99.9	99.9	314.0	320.3	1.0	88.0	999.9	999.9
21	47	5200.0	500.0	-18.5	-19.9	999.9	99.9	99.9	99.9	316.3	321.8	1.5	94.0	999.9	999.9
22	49	5460.0	475.0	-20.9	-21.6	999.9	99.9	99.9	99.9	318.0	321.7	1.1	51.9	999.9	999.9
23	51	5720.0	450.0	-24.2	-25.4	999.9	99.9	99.9	99.9	323.1	325.4	0.7	48.0	999.9	999.9
24	53	5980.0	425.0	-28.8	-31.6	999.9	99.9	99.9	99.9	328.0	327.7	0.4	48.0	999.9	999.9
25	55	6240.0	400.0	-31.4	-34.6	999.9	99.9	99.9	99.9	328.0	327.7	0.3	47.1	999.9	999.9
26	57	6500.0	375.0	-35.4	-42.7	999.9	99.9	99.9	99.9	327.8	328.8	0.3	99.9	999.9	999.9
27	59	6760.0	350.0	-40.2	-49.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
28	61	7020.0	325.0	-43.4	-59.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
29	63	7280.0	300.0	-46.2	-69.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
30	65	7540.0	275.0	-48.8	-79.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
31	67	7800.0	250.0	-52.2	-89.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
32	69	8060.0	225.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
33	71	8320.0	200.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
34	73	8580.0	175.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
35	75	8840.0	150.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
36	77	9100.0	125.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
37	79	9360.0	100.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
38	81	9620.0	75.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
39	83	9880.0	50.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
40	85	10140.0	25.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
41	87	10400.0	0.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
42	89	10660.0	0.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
43	91	10920.0	0.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
44	93	11180.0	0.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
45	95	11440.0	0.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
46	97	11700.0	0.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
47	99	11960.0	0.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
48	101	12220.0	0.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
49	103	12480.0	0.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
50	105	12740.0	0.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
51	107	13000.0	0.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
52	109	13260.0	0.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
53	111	13520.0	0.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
54	113	13780.0	0.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
55	115	14040.0	0.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
56	117	14300.0	0.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
57	119	14560.0	0.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
58	121	14820.0	0.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
59	123	15080.0	0.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9
60	125	15340.0	0.0	-55.4	-99.9	999.9	99.9	99.9	99.9	326.7	329.9	0.3	99.9	999.9	999.9

.. BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
.. BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
.. BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG  
.. BY TEMP MEANS MISSING DATA STRUTUM EXCEEDS 5 CONTACTS

STATION NO. 12  
COLLEGE STATION, TEXAS  
6 FEBRUARY 1982  
2338 GMT

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MK RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	4.4	79.0	1023.7	0.0	-6.8	999.9	99.9	99.9	99.9	271.3	277.1	2.2	60.0	999.9	999.9
0.6	6.5	99.9	1000.0	99.9	99.9	999.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
1.3	6.7	99.9	975.0	99.9	99.9	999.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
2.0	11.0	99.9	950.0	99.9	99.9	999.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
2.7	13.3	99.9	925.0	-6.6	99.9	999.9	99.9	99.9	99.9	272.6	999.9	99.9	999.9	999.9	999.9
3.4	15.6	99.9	900.0	-2.1	-13.5	999.9	99.9	99.9	99.9	276.3	283.5	1.5	41.5	999.9	999.9
4.2	17.9	99.9	875.0	1.0	-12.4	999.9	99.9	99.9	99.9	285.8	290.8	1.7	32.7	999.9	999.9
4.8	20.4	99.9	850.0	4.3	-7.6	999.9	99.9	99.9	99.9	290.7	297.8	2.6	41.5	999.9	999.9
5.6	22.7	99.9	825.0	6.0	-6.7	999.9	99.9	99.9	99.9	295.0	301.9	2.4	33.9	999.9	999.9
6.3	25.1	99.9	800.0	5.4	-1.3	999.9	99.9	99.9	99.9	301.9	309.3	2.4	61.1	999.9	999.9
7.4	27.6	99.9	775.0	7.5	-4.1	999.9	99.9	99.9	99.9	307.5	313.2	2.3	46.8	999.9	999.9
8.4	30.1	99.9	750.0	6.1	-10.2	999.9	99.9	99.9	99.9	307.5	312.5	2.3	20.0	999.9	999.9
9.4	32.5	99.9	725.0	7.3	-11.7	999.9	99.9	99.9	99.9	308.7	317.2	2.8	24.3	999.9	999.9
10.3	35.1	99.9	700.0	5.6	-8.7	999.9	99.9	99.9	99.9	310.3	318.2	2.8	34.9	999.9	999.9
11.5	37.7	99.9	675.0	3.6	-6.4	999.9	99.9	99.9	99.9	311.4	319.3	3.0	46.1	999.9	999.9
12.5	40.4	99.9	650.0	1.2	-9.1	999.9	99.9	99.9	99.9	311.3	320.2	2.9	50.6	999.9	999.9
13.6	43.0	99.9	625.0	-0.9	-9.9	999.9	99.9	99.9	99.9	311.3	320.2	3.1	82.8	999.9	999.9
14.7	45.2	99.9	600.0	-4.2	-10.2	999.9	99.9	99.9	99.9	313.9	321.7	2.5	79.1	999.9	999.9
15.6	46.6	99.9	575.0	-6.9	-13.2	999.9	99.9	99.9	99.9	313.9	322.2	2.5	89.3	999.9	999.9
17.0	51.4	99.9	550.0	-8.6	-14.0	999.9	99.9	99.9	99.9	316.3	323.7	2.3	81.0	999.9	999.9
18.3	54.4	99.9	525.0	-11.5	-15.2	999.9	99.9	99.9	99.9	318.0	324.3	2.0	88.1	999.9	999.9
20.9	60.4	99.9	475.0	-13.7	-17.7	999.9	99.9	99.9	99.9	318.8	323.9	1.3	85.8	999.9	999.9
22.1	63.5	99.9	450.0	-16.2	-21.2	999.9	99.9	99.9	99.9	321.8	324.6	0.8	84.3	999.9	999.9
23.7	66.7	99.9	425.0	-19.4	-24.2	999.9	99.9	99.9	99.9	321.8	324.5	0.5	80.5	999.9	999.9
25.6	70.4	99.9	400.0	-22.3	-28.0	999.9	99.9	99.9	99.9	322.7	326.4	0.2	42.7	999.9	999.9
27.9	73.4	99.9	375.0	-25.6	-35.0	999.9	99.9	99.9	99.9	327.2	328.6	0.2	39.8	999.9	999.9
29.3	77.0	99.9	350.0	-27.7	-38.3	999.9	99.9	99.9	99.9	328.0	328.6	0.2	99.9	999.9	999.9
31.2	80.7	99.9	325.0	-30.9	-43.8	999.9	99.9	99.9	99.9	332.0	332.0	0.2	99.9	999.9	999.9
33.1	84.6	99.9	300.0	-34.8	-48.9	999.9	99.9	99.9	99.9	335.5	335.5	0.2	99.9	999.9	999.9
35.1	88.5	99.9	275.0	-39.1	-53.7	999.9	99.9	99.9	99.9	339.8	339.8	0.2	99.9	999.9	999.9
37.4	92.8	99.9	250.0	-43.7	-58.9	999.9	99.9	99.9	99.9	347.8	347.8	0.2	99.9	999.9	999.9
39.8	97.4	99.9	225.0	-47.5	-63.7	999.9	99.9	99.9	99.9	358.3	358.3	0.2	99.9	999.9	999.9
42.5	102.3	99.9	200.0	-51.4	-68.9	999.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
45.2	107.6	99.9	175.0	-55.5	-73.9	999.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
48.9	99.9	99.9	150.0	-59.9	-78.9	999.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
51.9	99.9	99.9	125.0	-63.9	-83.9	999.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
54.9	99.9	99.9	100.0	-67.9	-88.9	999.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
57.9	99.9	99.9	75.0	-71.9	-93.9	999.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
60.9	99.9	99.9	50.0	-75.9	-98.9	999.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
63.9	99.9	99.9	25.0	-79.9	-103.9	999.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG  
 \*\* BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

ORIGINAL PAGE IS  
OF POOR QUALITY

STATION NO. 100  
FT HOOD, TEXAS  
6 FEBRUARY 1982  
6 1118 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0 0	7 2	269 0	997 7	-7 6	-12 6	360 0	3 0	0 0	-3 0	265 7	269 5	1 4	67 0	0 0	0
0 9	99 9	99 9	1000 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
0 7	8 4	466 7	975 0	-11 0	-15 6	344 6	14 8	3 9	-14 2	264 0	267 0	1 2	68 9	0 6	168
1 3	11 6	665 6	950 0	-12 4	-15 6	350 2	12 6	2 1	-12 4	264 6	267 7	1 2	76 5	1 7	165
2 3	14 3	868 4	925 0	-12 6	-16 6	326 3	8 6	-0 5	-8 6	268 9	268 9	0 9	60 0	1 7	169
3 1	16 6	1060 5	900 0	-7 0	-11 3	326 9	5 9	3 0	-5 0	279 2	279 2	1 9	72 6	2 1	171
3 9	19 3	1301 5	875 0	-4 8	-4 5	294 9	7 1	6 4	-3 0	286 9	286 9	3 1	105 3	2 3	166
4 7	21 9	1530 0	850 0	-3 3	-4 5	296 0	7 0	6 3	-3 1	281 4	286 9	3 2	105 1	2 6	160
5 5	24 4	1769 4	825 0	6 7	-7 0	252 3	7 4	7 0	2 2	292 1	302 6	3 8	67 0	2 7	154
6 5	26 9	2021 1	800 0	6 7	-7 0	254 0	10 4	10 0	2 9	298 3	310 5	2 9	34 8	3 0	144
7 4	29 6	2282 5	775 0	6 6	-6 9	261 7	12 2	12 1	2 5	302 0	311 8	2 7	33 7	3 6	124
8 3	32 2	2552 2	725 0	5 2	-8 2	258 6	12 7	12 5	2 5	303 7	313 2	2 7	35 3	4 1	116
9 3	34 9	2829 7	700 0	4 2	-8 9	254 8	14 4	13 9	3 8	305 2	313 2	2 7	36 9	4 9	109
10 3	37 7	3115 6	675 0	1 8	-9 2	257 1	17 3	16 9	2 8	307 1	315 4	2 6	39 6	5 9	103
11 4	40 4	3410 5	650 0	-1 2	-10 8	261 4	18 4	18 2	2 8	307 6	315 4	2 6	47 8	7 1	100
12 5	43 3	3713 3	625 0	-3 6	-11 2	264 1	22 0	21 9	2 2	308 3	316 0	2 3	55 3	8 7	97
13 7	46 2	4025 0	600 0	-6 1	-13 3	999 9	99 9	99 9	99 9	308 0	316 0	1 8	50 8	99 9	99 9
14 7	48 1	4346 2	575 0	-8 5	-15 8	999 9	99 9	99 9	99 9	310 1	315 6	99 9	99 9	99 9	99 9
15 6	52 2	4678 2	550 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
16 6	56 8	500 0	525 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
17 6	59 9	59 9	500 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
18 6	63 9	59 9	475 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
19 6	66 9	59 9	450 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
20 6	69 9	59 9	425 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
21 6	72 9	59 9	400 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
22 6	75 9	59 9	375 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
23 6	78 9	59 9	350 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
24 6	81 9	59 9	325 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
25 6	84 9	59 9	300 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
26 6	87 9	59 9	275 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
27 6	90 9	59 9	250 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
28 6	93 9	59 9	225 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
29 6	96 9	59 9	200 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
30 6	99 9	59 9	175 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
31 6	99 9	59 9	150 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
32 6	99 9	59 9	125 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
33 6	99 9	59 9	100 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
34 6	99 9	59 9	75 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
35 6	99 9	59 9	50 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
36 6	99 9	59 9	25 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG  
 \*\* BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

STATION NO. 100  
FT. HOOD, TEXAS

6 FEBRUARY 1982  
1718 GMT

TIME MIN	CNTCT	HEIGHT OPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
00	7.0	289.0	1000.4	-3.7	-18.2	350.0	8.2	1.1	-6.1	289.4	272.3	1.1	37.0	0.0	0
00	7.0	282.2	1000.0	-3.6	-18.2	349.8	6.3	1.1	-6.2	289.4	272.3	1.1	37.4	0.0	0
00	7.3	490.2	950.0	-8.0	-16.5	349.3	8.0	1.9	-7.8	287.1	270.7	1.1	51.5	0.4	175
06	11.6	691.6	950.0	-9.3	-16.5	349.3	8.4	1.2	-6.3	287.7	270.3	1.1	55.6	0.7	171
12	14.0	898.8	950.0	-11.7	-16.8	358.4	9.1	0.5	-8.4	287.4	270.3	1.1	65.3	0.9	172
25	10.5	1107.0	900.0	-10.6	-20.3	2.9	9.1	-0.5	-9.1	270.6	272.9	0.8	44.8	1.4	175
33	18.9	1328.4	875.0	-3.3	-10.9	360.0	5.8	0.0	-5.8	280.4	285.6	1.9	55.6	1.7	177
41	21.4	1557.4	850.0	-0.6	-9.3	358.5	3.2	0.1	-3.2	285.6	291.7	2.2	51.7	1.9	177
50	23.9	1797.9	825.0	5.0	-5.4	311.7	5.0	3.7	-3.3	293.9	302.6	3.1	47.0	2.1	176
57	26.4	2050.6	800.0	7.3	-6.4	281.0	10.9	10.7	-2.1	298.9	307.4	3.0	37.1	2.2	168
65	29.0	2312.8	775.0	6.5	-9.9	253.7	11.9	11.4	3.3	302.9	309.8	2.3	26.1	2.5	152
74	31.6	2582.8	750.0	7.1	-11.4	247.2	12.7	12.0	4.6	304.3	310.7	2.1	25.3	2.5	139
83	34.3	2860.4	725.0	4.9	-12.0	251.2	13.3	12.6	4.1	304.8	311.1	2.1	28.0	2.6	126
91	36.9	3145.5	700.0	3.3	-13.6	251.2	15.0	14.1	4.3	306.2	312.0	1.9	27.6	3.2	117
100	39.7	3438.2	675.0	1.5	-14.4	250.3	18.2	17.1	5.1	307.3	313.0	1.9	29.4	3.7	109
109	42.4	3732.4	650.0	-0.0	-12.6	250.3	21.4	20.1	6.1	308.9	315.9	2.3	38.6	4.6	101
118	45.3	4055.8	625.0	-1.9	-10.3	250.0	24.7	23.4	7.3	310.3	318.4	3.0	50.6	5.5	95
128	48.2	4378.3	600.0	-4.3	-10.0	251.3	28.6	27.4	7.9	311.1	320.1	3.0	64.7	6.8	90
140	51.2	4713.4	575.0	-6.8	-10.1	252.3	32.6	31.4	7.8	312.0	321.3	3.1	77.5	8.4	87
151	54.2	5098.7	550.0	-9.9	-11.9	255.3	36.4	35.0	6.7	312.4	321.0	2.8	85.4	10.1	84
162	57.3	5417.2	525.0	-11.3	-18.9	260.5	40.3	38.6	4.4	314.8	320.0	1.6	93.1	11.9	84
173	60.4	5789.9	500.0	-13.8	-21.9	262.7	44.3	42.6	3.0	316.3	320.5	1.3	95.2	13.5	83
186	63.7	6178.6	475.0	-15.3	-20.2	255.2	48.8	46.8	7.6	319.1	324.3	1.6	85.6	15.6	83
200	67.0	6595.2	450.0	-18.0	-22.5	247.0	53.3	51.3	10.7	320.6	325.1	1.4	88.1	17.9	81
214	70.4	7008.0	425.0	-22.0	-23.5	999.9	59.9	59.9	99.9	320.6	325.2	1.3	92.3	99.9	99.9
227	74.0	7452.4	400.0	-25.4	-26.3	999.9	66.6	66.6	99.9	322.0	325.7	1.1	99.9	99.9	99.9
239	78.0	7899.9	375.0	-29.9	-29.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
250	82.0	8399.9	350.0	-34.9	-34.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
262	86.0	8899.9	325.0	-39.9	-39.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
274	90.0	9399.9	300.0	-44.9	-44.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
286	94.0	9899.9	275.0	-49.9	-49.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
298	98.0	10399.9	250.0	-54.9	-54.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
310	102.0	10899.9	225.0	-59.9	-59.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
322	106.0	11399.9	200.0	-64.9	-64.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
334	110.0	11899.9	175.0	-69.9	-69.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
346	114.0	12399.9	150.0	-74.9	-74.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
358	118.0	12899.9	125.0	-79.9	-79.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
370	122.0	13399.9	100.0	-84.9	-84.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
382	126.0	13899.9	75.0	-89.9	-89.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
394	130.0	14399.9	50.0	-94.9	-94.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
406	134.0	14899.9	25.0	-99.9	-99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 0 DEG  
 \*\* BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

OF POOR QUALITY

ORIGINAL PAGE IS  
OF POOR QUALITY

STATION NO 100 FT HOOD, TEXAS 8 FEBRUARY 1962 2305 GMT															
TIME MIN	CRCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTD GM/KG	RH PCT	RANGE KM	AZ DG
0.0	0.0	289.0	956.2	0.0	-12.6	340.0	4.0	1.4	-3.6	273.5	277.4	1.5	38.0	0.0	0.0
0.9	99.9	99.9	1000.0	99.9	-12.2	99.9	99.9	99.9	99.9	272.8	276.9	99.9	99.9	99.9	99.9
0.8	9.0	400.4	975.0	-2.3	-12.2	352.0	4.0	-0.1	-4.0	272.8	276.9	1.5	46.5	0.3	174
1.3	11.4	606.3	950.0	-3.7	-14.3	358.2	5.5	0.7	-5.4	272.5	276.2	1.5	50.0	0.5	175
2.0	13.9	875.7	925.0	-6.6	-15.6	29.4	4.8	0.2	-4.8	272.5	276.2	1.4	54.1	0.7	174
2.8	16.4	1088.2	900.0	-8.0	-18.5	50.3	7.2	-3.5	-8.3	273.3	276.7	1.3	54.3	1.0	178
3.7	18.9	1308.4	875.0	-4.6	-10.7	34.7	8.8	-6.8	-5.6	279.0	281.9	1.0	32.8	1.3	193
4.5	21.4	1538.0	850.0	-1.0	-6.1	24.1	6.9	-3.9	-5.7	285.1	290.7	2.0	48.1	1.7	201
5.4	24.0	1778.7	825.0	3.0	-7.0	346.2	4.7	1.1	-4.1	291.7	299.8	2.9	51.2	2.0	202
6.3	26.7	2030.0	800.0	7.5	-8.6	305.6	6.0	4.9	-4.6	307.3	308.6	2.8	34.5	2.2	202
7.2	29.3	2281.3	775.0	5.5	-9.4	298.6	5.2	4.7	-3.3	302.6	309.9	2.5	33.1	2.3	194
8.1	32.0	2532.6	750.0	5.8	-9.3	277.8	6.8	4.7	-2.3	305.8	313.0	2.6	33.6	2.4	188
9.0	34.7	2837.5	725.0	3.8	-10.8	254.9	15.9	15.4	4.2	308.6	318.0	2.4	33.0	2.5	163
10.1	37.4	3123.6	700.0	2.6	-10.8	252.8	17.8	17.0	5.3	308.6	320.4	3.2	46.2	2.7	137
11.2	40.2	3418.3	675.0	0.5	-6.3	259.8	18.9	18.6	3.4	308.6	321.6	3.8	60.2	3.4	110
12.3	43.0	3722.5	650.0	-1.6	-6.5	263.3	21.7	21.6	2.5	310.6	321.5	4.0	89.6	4.4	103
13.4	45.9	4035.9	625.0	-4.8	-10.4	262.1	21.9	21.9	3.0	310.6	322.5	3.1	82.0	5.9	94
14.4	48.8	4359.9	600.0	-7.5	-10.0	255.9	19.8	19.2	4.6	311.7	320.5	2.9	92.0	7.2	99
15.6	51.8	4683.5	575.0	-10.4	-11.5	254.0	22.6	21.7	6.2	311.7	320.5	2.5	88.1	10.3	91
16.8	54.8	5008.1	550.0	-12.4	-13.9	255.4	20.2	19.5	5.1	313.5	323.3	2.4	94.2	12.0	89
18.2	58.0	5335.1	525.0	-14.1	-14.9	257.0	21.9	21.4	4.9	315.8	323.3	2.1	98.8	13.9	87
19.6	61.3	5709.8	500.0	-16.8	-17.0	251.3	23.3	22.1	7.5	317.1	323.5	1.7	101.9	15.8	85
21.0	64.5	6154.6	475.0	-20.1	-20.1	246.6	23.5	21.0	9.3	318.0	323.5	1.5	97.1	17.9	83
22.4	67.8	6599.3	450.0	-22.3	-22.6	249.2	26.5	24.4	10.4	320.4	323.6	0.8	75.8	20.5	81
23.9	71.3	6999.5	425.0	-26.2	-29.2	249.9	28.4	26.5	10.1	320.9	323.6	0.6	68.1	22.5	81
25.6	74.9	7422.7	400.0	-29.8	-34.0	99.9	99.9	99.9	99.9	322.1	324.1	99.9	99.9	99.9	99.9
27.4	78.8	7866.2	375.0	-33.0	-34.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
29.9	99.9	99.9	350.0	-33.0	-34.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
31.9	99.9	99.9	325.0	-33.0	-34.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
33.9	99.9	99.9	300.0	-33.0	-34.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
35.9	99.9	99.9	275.0	-33.0	-34.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37.9	99.9	99.9	250.0	-33.0	-34.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.9	99.9	99.9	225.0	-33.0	-34.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
41.9	99.9	99.9	200.0	-33.0	-34.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
43.9	99.9	99.9	175.0	-33.0	-34.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
45.9	99.9	99.9	150.0	-33.0	-34.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
47.9	99.9	99.9	125.0	-33.0	-34.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
49.9	99.9	99.9	100.0	-33.0	-34.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
51.9	99.9	99.9	75.0	-33.0	-34.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
53.9	99.9	99.9	50.0	-33.0	-34.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
55.9	99.9	99.9	25.0	-33.0	-34.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
57.9	99.9	99.9	0.0	-33.0	-34.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG  
 \*\* BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

STATION NO. 260  
STEPHENVILLE, TEXAS  
6 FEBRUARY 1962  
1715 GMT

TIME MIN	CRCT	WEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT I DEG K	E POT I DEG K	MK STO CM/KG	RH PCT	RANGE KM	11	0
00	0	399	988	-6	-16	340	4	1	-3	287	270	1	45	0	0	0
01	98	99	1000	9	9	340	9	9	9	99	99	99	99	9	9	999
02	95	512	975	6	6	347	6	4	-6	286	269	1	47	0	0	163
03	12	712	950	-10	-17	352	7	1	-6	285	268	1	53	0	0	188
04	15	917	925	-12	-17	352	7	1	-6	285	268	1	53	0	0	188
05	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
06	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
07	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
08	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
09	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
10	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
11	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
12	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
13	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
14	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
15	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
16	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
17	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
18	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
19	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
20	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
21	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
22	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
23	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
24	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
25	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
26	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
27	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
28	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
29	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
30	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
31	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
32	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
33	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
34	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
35	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
36	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
37	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
38	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
39	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
40	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
41	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
42	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
43	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
44	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
45	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
46	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
47	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
48	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
49	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
50	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
51	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
52	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
53	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
54	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
55	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
56	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
57	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
58	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
59	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
60	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
61	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
62	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
63	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
64	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
65	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
66	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188
67	17	917	925	-12	-20	352	7	1	-6	285	268	1	53	0	0	188

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 0 DEG  
 \*\* BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

CRITICAL POINTS  
OF POOR QUALITY

APPENDIX II

AVE/VAS I Rawinsonde Data  
with Abnormal Characteristics  
Presented at 25-mb Intervals

STATION NO. 2  
HENRIETTA, TEXAS  
6 FEBRUARY 1962  
1157 GMT

TIME MIN	CNTGT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	MX RIO GM/KG	RH PCT	RANGE KM	AZ DEG
0 0	9 3	287.5	1055.0	-10.5	-18.0	315.0	5.0	3.5	3.5	264.3	264.7	0.9	54.0	0.0	0
0 2	9 8	325.8	1050.0	-11.4	-17.8	315.0	9.9	9.9	9.9	261.8	264.2	0.9	58.7	999.9	999.9
0 8	12.1	518.4	975.0	-13.6	-19.3	315.0	9.9	9.9	9.9	263.7	263.7	0.8	62.0	999.9	999.9
1 0	14.4	716.4	950.0	-15.0	-20.1	315.0	9.9	9.9	9.9	264.1	264.1	0.8	64.9	999.9	999.9
2 2	19.6	919.2	925.0	-12.7	-24.9	315.0	9.9	9.9	9.9	266.4	266.4	0.5	35.4	999.9	999.9
2 9	19.0	1128.2	900.0	-12.7	-26.3	315.0	9.9	9.9	9.9	268.4	268.4	0.5	35.4	999.9	999.9
3 6	21.3	1344.8	875.0	-8.5	-25.2	315.0	9.9	9.9	9.9	275.0	275.0	0.5	35.4	999.9	999.9
4 3	23.7	1588.9	850.0	-8.2	-23.1	315.0	9.9	9.9	9.9	277.6	277.6	0.7	24.3	999.9	999.9
5 0	26.1	1801.9	825.0	-6.5	-21.2	315.0	9.9	9.9	9.9	284.2	284.2	0.7	28.6	999.9	999.9
5 8	28.6	2043.1	800.0	-4.2	-16.4	315.0	9.9	9.9	9.9	288.7	288.7	1.3	29.9	999.9	999.9
6 9	31.0	2253.5	775.0	-4.1	-9.9	315.0	9.9	9.9	9.9	290.4	290.4	9.9	37.8	999.9	999.9
8 1	33.8	2551.5	750.0	-5.3	-9.9	315.0	9.9	9.9	9.9	292.3	292.3	9.9	999.9	999.9	999.9
8 2	36.0	2816.7	725.0	-6.5	-9.9	315.0	9.9	9.9	9.9	293.9	293.9	9.9	999.9	999.9	999.9
10 3	38.6	3090.2	700.0	-7.8	-9.9	315.0	9.9	9.9	9.9	295.5	295.5	9.9	999.9	999.9	999.9
11 8	41.2	3372.2	675.0	-9.1	-9.9	315.0	9.9	9.9	9.9	297.3	297.3	9.9	999.9	999.9	999.9
12 9	43.8	3654.7	650.0	-10.3	-9.9	315.0	9.9	9.9	9.9	299.2	299.2	9.9	999.9	999.9	999.9
13 9	46.4	3894.7	625.0	-11.6	-9.9	315.0	9.9	9.9	9.9	301.1	301.1	9.9	999.9	999.9	999.9
15 2	49.2	4216.5	600.0	-13.0	-9.9	315.0	9.9	9.9	9.9	303.2	303.2	9.9	999.9	999.9	999.9
16 5	52.0	4599.9	575.0	-14.4	-9.9	315.0	9.9	9.9	9.9	305.5	305.5	9.9	999.9	999.9	999.9
17 7	54.8	4998.2	550.0	-15.7	-9.9	315.0	9.9	9.9	9.9	307.9	307.9	9.9	999.9	999.9	999.9
19 0	57.7	5388.1	525.0	-17.1	-9.9	315.0	9.9	9.9	9.9	310.1	310.1	9.9	999.9	999.9	999.9
20 4	60.6	5831.0	500.0	-18.8	-21.9	315.0	9.9	9.9	9.9	314.3	314.3	1.3	76.9	26.1	88
22 1	63.7	6309.9	475.0	-21.9	-24.9	315.0	9.9	9.9	9.9	315.9	315.9	1.1	76.9	28.0	87
23 4	66.8	6844.8	450.0	-23.1	-33.8	315.0	9.9	9.9	9.9	318.5	318.5	0.5	37.5	30.8	87
25 1	70.0	7427.8	425.0	-25.1	-34.8	315.0	9.9	9.9	9.9	320.4	320.4	0.5	39.0	35.6	85
27 0	73.4	7782.9	400.0	-28.3	-31.9	315.0	9.9	9.9	9.9	322.2	322.2	0.4	48.9	45.7	83
29 1	76.8	8230.3	375.0	-30.8	-38.0	315.0	9.9	9.9	9.9	325.1	325.1	0.4	56.5	51.6	82
31 1	80.3	8733.8	350.0	-34.7	-41.4	315.0	9.9	9.9	9.9	327.8	327.8	0.3	71.5	59.4	81
33 3	84.0	9231.4	325.0	-38.2	-41.4	315.0	9.9	9.9	9.9	331.0	331.0	9.9	999.9	66.5	80
35 9	87.8	9735.5	300.0	-40.8	-99.9	315.0	9.9	9.9	9.9	334.4	334.4	9.9	999.9	78.5	78
37 9	92.0	10325.8	275.0	-48.9	-99.9	315.0	9.9	9.9	9.9	337.7	337.7	9.9	999.9	87.0	78
40 3	96.2	11192.2	250.0	-50.5	-99.9	315.0	9.9	9.9	9.9	342.4	342.4	9.9	999.9	95.6	77
42 5	100.8	11926.0	225.0	-55.1	-99.9	315.0	9.9	9.9	9.9	347.4	347.4	9.9	999.9	102.1	77
45 6	105.8	12770.6	175.0	-59.4	-99.9	315.0	9.9	9.9	9.9	351.9	351.9	9.9	999.9	109.5	77
48 8	111.0	13740.1	150.0	-59.4	-99.9	315.0	9.9	9.9	9.9	357.7	357.7	9.9	999.9	118.2	77
52 8	117.0	14689.1	125.0	-64.9	-99.9	315.0	9.9	9.9	9.9	360.7	360.7	9.9	999.9	999.9	999.9
57 1	123.5	16089.1	100.0	-67.8	-99.9	315.0	9.9	9.9	9.9	367.4	367.4	9.9	999.9	999.9	999.9
62 8	131.0	18218.4	75.0	-99.9	-99.9	315.0	9.9	9.9	9.9	369.9	369.9	9.9	999.9	999.9	999.9
68 9	99.9	99.9	50.0	99.9	99.9	315.0	9.9	9.9	9.9	99.9	99.9	9.9	999.9	999.9	999.9
69 9	99.9	99.9	25.0	99.9	99.9	315.0	9.9	9.9	9.9	99.9	99.9	9.9	999.9	999.9	999.9

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG  
 \*\* BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

DATA OF POOR QUALITY



ORIGINAL PAGE IS  
OF POOR QUALITY

STATION NO. 6  
ABILENE, TEXAS  
6 FEBRUARY 1962  
2310 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MS	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTG GM/KG	RH PCT	RANGE NM	AZ DG
00	0	531.9	970.5	-0.2	-15.6	305.0	5.0	4.1	-2.9	275.3	278.5	1.2	30.0	0.0	0
01	0	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
02	0	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
03	0	701.6	950.0	-2.6	-21.6	99.9	99.9	99.9	99.9	274.5	276.4	0.7	20.1	99.9	99.9
04	0	912.3	925.0	-4.7	-21.6	99.9	99.9	99.9	99.9	274.5	278.0	0.7	25.2	99.9	99.9
05	0	1126.1	900.0	-7.0	-20.5	99.9	99.9	99.9	99.9	274.3	277.7	0.8	32.9	99.9	99.9
06	0	1346.2	875.0	-8.1	-21.0	88.6	4.3	-4.3	-0.1	275.4	277.7	0.8	34.4	0.3	205
07	0	1572.6	850.0	-3.8	-23.6	59.4	3.2	-2.8	-1.6	262.2	264.1	0.7	18.6	0.4	222
08	0	1809.8	825.0	-0.9	-23.7	21.3	3.1	-1.1	-2.2	267.7	268.7	1.6	37.6	0.6	223
09	0	2056.3	800.0	1.6	-11.3	334.8	3.5	1.5	-3.2	292.9	292.4	2.0	37.7	0.7	216
10	0	2312.2	775.0	2.2	-10.2	291.3	10.7	5.8	-3.3	305.5	302.0	2.3	41.3	0.8	198
11	0	2576.7	750.0	2.2	-19.7	289.3	10.7	10.1	-3.5	309.0	302.5	1.1	19.2	0.9	187
12	0	2850.9	725.0	2.2	-22.7	289.3	13.6	13.6	-2.7	302.5	305.2	0.8	13.2	1.4	141
13	0	3133.7	700.0	1.4	-24.1	289.3	17.0	17.0	-0.7	304.1	306.6	0.8	12.8	2.2	123
14	0	3426.1	675.0	0.8	-23.4	286.6	20.3	20.3	0.5	306.5	309.5	0.9	14.2	3.1	112
15	0	3728.1	650.0	-1.6	-25.3	22.1	22.1	22.1	1.3	307.2	309.6	0.7	14.3	4.3	105
16	0	4036.8	625.0	-3.8	-27.5	22.5	22.5	22.5	2.6	308.1	310.2	0.6	13.7	5.8	100
17	0	4359.5	600.0	-6.2	-24.9	22.5	22.5	22.5	4.0	309.0	311.7	0.8	20.9	7.2	98
18	0	4691.0	575.0	-9.1	-14.3	259.6	23.5	23.2	4.2	309.3	316.2	2.2	66.2	8.7	93
19	0	5033.1	550.0	-12.1	-15.4	259.6	25.7	25.1	5.3	309.8	316.2	2.1	76.4	10.4	91
20	0	5388.1	525.0	-14.4	-17.3	254.3	26.3	27.3	7.4	311.1	316.1	1.9	78.7	12.3	89
21	0	5750.7	500.0	-16.2	-20.4	254.3	29.2	28.1	7.8	313.3	318.1	1.5	69.7	14.1	87
22	0	6140.9	475.0	-18.8	-22.4	259.6	34.4	33.7	6.6	314.9	319.0	1.3	72.8	16.5	85
23	0	6542.2	450.0	-21.0	-24.9	259.6	39.9	39.9	9.9	316.9	319.0	0.9	99.9	18.9	83
24	0	6961.8	425.0	-24.9	-26.2	259.6	39.9	39.9	9.9	317.5	320.4	0.9	71.9	21.9	81
25	0	7400.7	400.0	-27.9	-28.2	259.6	31.5	31.1	5.3	318.7	321.1	0.7	72.4	23.9	83
26	0	7861.2	375.0	-31.3	-34.4	259.6	31.5	31.1	5.3	320.2	322.0	0.5	74.0	27.0	81
27	0	8347.1	350.0	-34.1	-39.6	259.6	31.5	31.1	5.3	322.8	322.0	0.5	99.9	30.2	81
28	0	8862.2	325.0	-37.9	-44.0	259.6	31.5	31.1	5.3	324.5	325.4	0.2	99.9	32.9	81
29	0	9406.9	300.0	-41.3	-49.9	259.6	31.5	31.1	5.3	327.2	327.2	0.2	99.9	35.9	81
30	0	9994.9	275.0	-45.9	-54.9	259.6	31.5	31.1	5.3	329.9	329.9	0.2	99.9	38.9	81
31	0	10622.8	250.0	-50.4	-59.9	241.3	48.3	42.4	9.9	331.2	331.2	0.2	99.9	41.9	77
32	0	11306.8	225.0	-55.1	-64.9	234.7	55.8	45.6	32.3	341.8	341.8	0.2	99.9	44.9	75
33	0	12073.9	200.0	-59.0	-69.9	240.3	61.3	53.3	30.4	348.9	348.9	0.2	99.9	47.9	73
34	0	12827.6	175.0	-63.5	-74.9	247.6	68.1	42.6	17.5	356.7	356.7	0.2	99.9	50.9	70
35	0	13600.6	150.0	-68.0	-79.9	247.6	74.9	48.1	13.1	367.1	367.1	0.2	99.9	53.9	68
36	0	14375.0	125.0	-73.9	-84.9	247.6	81.9	53.9	9.9	379.2	379.2	0.2	99.9	56.9	66
37	0	15020.6	100.0	-79.9	-89.9	247.6	89.9	59.9	6.6	393.3	393.3	0.2	99.9	59.9	64
38	0	15765.0	75.0	-85.9	-94.9	247.6	94.9	64.9	3.3	407.4	407.4	0.2	99.9	62.9	62
39	0	16515.0	50.0	-91.9	-99.9	247.6	99.9	69.9	0.0	421.5	421.5	0.2	99.9	65.9	60
40	0	17265.0	25.0	-97.9	-104.9	247.6	99.9	74.9	0.0	435.6	435.6	0.2	99.9	68.9	58

.. BY SPEED MEANS ELEVATION ANGLE BETWEEN 8 AND 10 DEG  
.. BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
.. BY SPEED MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS  
.. BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

STATION NO 9  
HEWITT, TEXAS  
6 FEBRUARY 1962  
1713 GMT

TIME MIN	CHTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	MX RTD GM/KG	RH PCT	RANGE NM	AZ DEG
00	5.5	184.1	1016.0	-3.4	-14.1	999.9	99.9	99.9	99.9	288.5	271.9	1.3	43.0	999.9	999.9
01	6.9	309.6	1000.0	-3.1	99.9	999.9	99.9	99.9	99.9	270.1	999.9	99.9	999.9	999.9	999.9
02	9.3	510.1	975.0	-2.6	99.9	999.9	99.9	99.9	99.9	272.5	999.9	99.9	999.9	999.9	999.9
03	11.6	716.2	950.0	-2.1	99.9	999.9	99.9	99.9	99.9	275.0	999.9	99.9	999.9	999.9	999.9
04	14.0	928.0	925.0	-1.6	99.9	999.9	99.9	99.9	99.9	277.7	999.9	99.9	999.9	999.9	999.9
05	16.4	1148.3	900.0	-1.1	99.9	999.9	99.9	99.9	99.9	280.4	999.9	99.9	999.9	999.9	999.9
06	18.9	1370.9	875.0	-0.5	99.9	999.9	99.9	99.9	99.9	283.2	999.9	99.9	999.9	999.9	999.9
07	21.3	1602.8	850.0	0.1	-10.6	999.9	99.9	99.9	99.9	286.3	999.9	2.0	999.9	999.9	999.9
08	23.8	1843.8	825.0	5.2	-8.9	999.9	99.9	99.9	99.9	289.1	999.9	2.4	999.9	999.9	999.9
09	26.3	2086.0	800.0	6.5	-12.5	999.9	99.9	99.9	99.9	291.8	999.9	1.6	999.9	999.9	999.9
10	28.8	2328.4	775.0	6.5	-14.0	999.9	99.9	99.9	99.9	300.8	999.9	1.7	999.9	999.9	999.9
11	31.4	2574.4	750.0	4.6	-14.4	999.9	99.9	99.9	99.9	301.5	999.9	1.7	999.9	999.9	999.9
12	34.0	2820.5	725.0	2.7	-16.2	999.9	99.9	99.9	99.9	302.5	999.9	1.5	999.9	999.9	999.9
13	36.7	3066.5	700.0	1.0	-18.5	999.9	99.9	99.9	99.9	303.6	999.9	1.3	999.9	999.9	999.9
14	39.3	3312.1	675.0	-0.5	-18.9	999.9	99.9	99.9	99.9	305.1	999.9	1.3	999.9	999.9	999.9
15	42.0	3557.1	650.0	-1.3	-17.0	999.9	99.9	99.9	99.9	307.5	999.9	1.5	999.9	999.9	999.9
16	44.6	3802.8	625.0	-3.1	-10.2	999.9	99.9	99.9	99.9	308.7	999.9	2.6	999.9	999.9	999.9
17	47.7	4048.5	600.0	-6.1	-10.2	999.9	99.9	99.9	99.9	309.1	999.9	2.9	999.9	999.9	999.9
18	50.5	4294.4	575.0	-8.5	-10.9	999.9	99.9	99.9	99.9	310.0	999.9	2.9	999.9	999.9	999.9
19	53.5	4540.6	550.0	-10.7	-13.2	999.9	99.9	99.9	99.9	311.4	999.9	2.5	999.9	999.9	999.9
20	56.5	4786.8	525.0	-12.6	-21.5	999.9	99.9	99.9	99.9	313.3	999.9	1.3	999.9	999.9	999.9
21	59.5	5033.0	500.0	-15.2	-25.7	999.9	99.9	99.9	99.9	314.5	999.9	0.9	999.9	999.9	999.9
22	62.8	5279.1	475.0	-18.8	-24.1	999.9	99.9	99.9	99.9	317.1	999.9	1.2	999.9	999.9	999.9
23	65.9	5525.3	450.0	-22.8	-25.8	999.9	99.9	99.9	99.9	318.3	999.9	1.1	999.9	999.9	999.9
24	69.0	5771.5	425.0	-25.2	-25.8	999.9	99.9	99.9	99.9	322.2	999.9	1.1	999.9	999.9	999.9
25	72.3	6017.8	400.0	-28.8	-25.8	999.9	99.9	99.9	99.9	322.2	999.9	99.9	999.9	999.9	999.9
26	75.6	6264.0	375.0	-32.8	-25.8	999.9	99.9	99.9	99.9	322.2	999.9	99.9	999.9	999.9	999.9
27	78.9	6510.2	350.0	-36.8	-25.8	999.9	99.9	99.9	99.9	322.2	999.9	99.9	999.9	999.9	999.9
28	82.2	6756.4	325.0	-40.8	-25.8	999.9	99.9	99.9	99.9	322.2	999.9	99.9	999.9	999.9	999.9
29	85.5	7002.6	300.0	-44.8	-25.8	999.9	99.9	99.9	99.9	322.2	999.9	99.9	999.9	999.9	999.9
30	88.8	7248.8	275.0	-48.8	-25.8	999.9	99.9	99.9	99.9	322.2	999.9	99.9	999.9	999.9	999.9
31	92.1	7495.0	250.0	-52.8	-25.8	999.9	99.9	99.9	99.9	322.2	999.9	99.9	999.9	999.9	999.9
32	95.4	7741.2	225.0	-56.8	-25.8	999.9	99.9	99.9	99.9	322.2	999.9	99.9	999.9	999.9	999.9
33	98.7	7987.4	200.0	-60.8	-25.8	999.9	99.9	99.9	99.9	322.2	999.9	99.9	999.9	999.9	999.9
34	102.0	8233.6	175.0	-64.8	-25.8	999.9	99.9	99.9	99.9	322.2	999.9	99.9	999.9	999.9	999.9
35	105.3	8479.8	150.0	-68.8	-25.8	999.9	99.9	99.9	99.9	322.2	999.9	99.9	999.9	999.9	999.9
36	108.6	8726.0	125.0	-72.8	-25.8	999.9	99.9	99.9	99.9	322.2	999.9	99.9	999.9	999.9	999.9
37	111.9	8972.2	100.0	-76.8	-25.8	999.9	99.9	99.9	99.9	322.2	999.9	99.9	999.9	999.9	999.9
38	115.2	9218.4	75.0	-80.8	-25.8	999.9	99.9	99.9	99.9	322.2	999.9	99.9	999.9	999.9	999.9
39	118.5	9464.6	50.0	-84.8	-25.8	999.9	99.9	99.9	99.9	322.2	999.9	99.9	999.9	999.9	999.9
40	121.8	9710.8	25.0	-88.8	-25.8	999.9	99.9	99.9	99.9	322.2	999.9	99.9	999.9	999.9	999.9

.. BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
.. BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
.. BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG  
.. BY TEMP MEANS MISSING DATA STRATUM EXCEEDS 5 CONTACTS

ORIGINAL PAGE IS  
OF POOR QUALITY

STATION NO 10  
MEMARD, TEXAS  
5 FEBRUARY 1962  
1225 GMT

TIME MIN	CNTCT	WEIGHT GPM	PRES MM	TEMP DG C	DEM PT DG C	DIR DG	SPEED M SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MA RTO CM/KG	RH PCT	RANGE KM	AZ DG
0 0	10 1	500 3	905 1	-9 5	-19 2	300 0	5 0	0 0	-5 0	266 4	268 7	0 9	45 0	0 0	0 0
0 0	99 9	99 9	1000 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
0 0	99 9	99 9	975 0	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9	99 9
0 4	11 5	710 5	950 0	-8 5..	99 9	99 9	99 9	99 9	99 9	266 6	99 9	99 9	99 9	99 9	99 9
1 3	13 9	917 9	925 0	-8 5..	99 9	99 9	99 9	99 9	99 9	272 7	99 9	99 9	99 9	99 9	99 9
2 1	16 4	1132 9	900 0	-4 4..	99 9	99 9	99 9	99 9	99 9	278 9	99 9	99 9	99 9	99 9	99 9
2 6	18 6	1355 3	875 0	-2 5..	99 9	99 9	99 9	99 9	99 9	281 2	99 9	99 9	99 9	99 9	99 9
3 7	21 3	1505 9	850 0	-0 6..	99 9	99 9	99 9	99 9	99 9	285 5	99 9	99 9	99 9	99 9	99 9
4 5	23 6	1625 1	825 0	1 4..	99 9	99 9	99 9	99 9	99 9	290 1	99 9	99 9	99 9	99 9	99 9
5 4	26 3	2073 6	800 0	3 5..	99 9	99 9	99 9	99 9	99 9	294 9	99 9	99 9	99 9	99 9	99 9
6 4	28 9	2331 8	775 0	5 7..	99 9	99 9	99 9	99 9	99 9	300 0	99 9	99 9	99 9	99 9	99 9
7 3	31 5	2601 0	750 0	7 0..	99 9	99 9	99 9	99 9	99 9	304 8	99 9	99 9	99 9	99 9	99 9
8 4	34 1	2879 5	725 0	6 1	-11 0	99 9	99 9	99 9	99 9	308 1	99 9	99 9	99 9	99 9	99 9
9 4	36 8	3185 4	700 0	3 2	-18 4	99 9	99 9	99 9	99 9	311 5	99 9	99 9	99 9	99 9	99 9
10 5	39 4	3459 3	675 0	-0 8	-18 4	99 9	99 9	99 9	99 9	315 8	99 9	99 9	99 9	99 9	99 9
11 5	42 1	3761 8	650 0	-3 6	-15 1	253 1	20 3	19 3	5 2	318 6	99 9	99 9	99 9	99 9	99 9
12 7	45 0	4073 3	625 0	-6 1	-17 5	253 3	22 1	21 1	6 5	322 3	99 9	99 9	99 9	99 9	99 9
13 6	47 6	4394 2	600 0	-8 9	-17 2	253 3	23 7	22 7	8 6	326 1	99 9	99 9	99 9	99 9	99 9
15 0	50 8	4725 6	575 0	-10 4	-22 8	255 9	25 9	23 2	8 6	329 6	99 9	99 9	99 9	99 9	99 9
16 1	53 0	5099 1	550 0	-14 0	-25 5	257 3	27 2	24 2	5 4	331 7	99 9	99 9	99 9	99 9	99 9
17 5	56 8	5424 9	525 0	-17 1	-28 6	261 9	29 2	26 9	3 8	332 2	99 9	99 9	99 9	99 9	99 9
18 8	59 8	5793 2	500 0	-19 2	-29 6	263 3	31 3	28 9	3 7	334 3	99 9	99 9	99 9	99 9	99 9
20 1	62 8	6170 5	475 0	-21 5	-32 2	259 7	32 6	31 1	5 8	336 2	99 9	99 9	99 9	99 9	99 9
21 6	66 0	6570 5	450 0	-23 6	-35 2	250 3	33 9	32 0	6 6	337 0	99 9	99 9	99 9	99 9	99 9
23 2	69 4	6987 4	425 0	-25 5	-38 4	250 0	35 3	33 1	12 1	333 5	99 9	99 9	99 9	99 9	99 9
24 6	72 7	7338 3	400 0	-28 8	-41 0	247 8	37 0	34 0	15 1	335 3	99 9	99 9	99 9	99 9	99 9
26 3	76 1	7698 9	375 0	-32 2	-44 0	247 8	39 5	36 6	14 9	337 7	99 9	99 9	99 9	99 9	99 9
28 0	79 5	8014 1	350 0	-35 3	-47 6	244 8	40 3	36 5	17 1	338 7	99 9	99 9	99 9	99 9	99 9
30 6	82 8	8385 5	325 0	-38 4	-50 9	242 8	42 4	38 5	21 3	339 6	99 9	99 9	99 9	99 9	99 9
31 6	85 1	8665 5	300 0	-41 4	-53 2	241 8	44 7	41 2	23 0	340 5	99 9	99 9	99 9	99 9	99 9
33 9	87 5	8952 7	275 0	-44 0	-56 4	240 1	46 8	43 9	24 7	341 4	99 9	99 9	99 9	99 9	99 9
36 2	90 0	9242 2	250 0	-47 6	-59 8	239 9	49 0	46 6	27 3	342 7	99 9	99 9	99 9	99 9	99 9
38 6	92 4	9531 2	225 0	-50 9	-63 1	238 9	51 4	49 0	29 9	343 5	99 9	99 9	99 9	99 9	99 9
41 4	94 8	9820 2	200 0	-54 0	-66 4	238 4	53 1	51 4	32 6	344 3	99 9	99 9	99 9	99 9	99 9
44 3	97 1	10109 2	175 0	-57 6	-69 8	237 6	55 4	53 1	35 3	345 1	99 9	99 9	99 9	99 9	99 9
47 9	99 9	10400 7	150 0	-61 2	-73 2	236 6	57 6	55 4	38 5	346 0	99 9	99 9	99 9	99 9	99 9
51 7	102 2	10696 4	125 0	-64 4	-76 4	235 4	59 8	57 6	41 1	347 2	99 9	99 9	99 9	99 9	99 9
56 5	104 5	10982 9	100 0	-67 6	-79 6	234 6	62 0	59 8	44 2	348 1	99 9	99 9	99 9	99 9	99 9
62 9	106 8	11272 0	75 0	-72 3	-82 8	233 1	64 4	62 0	47 6	349 0	99 9	99 9	99 9	99 9	99 9
70 9	109 0	11558 3	50 0	-75 4	-86 1	232 1	66 8	64 4	50 9	350 0	99 9	99 9	99 9	99 9	99 9
83 7	111 3	11844 0	25 0	-78 6	-89 4	231 1	69 0	66 8	53 8	351 7	99 9	99 9	99 9	99 9	99 9

.. BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
.. BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
.. BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG  
.. BY TEMP MEANS MISSING DATA STRATON EXCEEDS 5 CONTACTS

STATION NO 10  
MENARD, TEXAS  
6 FEBRUARY 1982  
2318 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MI R TO GM/KG	RH PCT	RANGE NM	AZ DG
00	10.3	588.3	963.1	-2.0	-11.5	999.9	99.9	99.9	99.9	274.1	278.5	1.0	48.0	999.9	999.9
01	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
02	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
03	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
04	13.5	967.1	925.0	-3.8	98.0	999.9	99.9	99.9	99.9	274.5	99.9	99.9	99.9	999.9	999.9
05	10.2	1123.5	900.0	-4.9	98.0	999.9	99.9	99.9	99.9	275.4	99.9	99.9	99.9	999.9	999.9
06	10.6	1344.5	875.0	-6.1	99.9	999.9	99.9	99.9	99.9	276.5	99.9	99.9	99.9	999.9	999.9
07	21.0	1570.8	850.0	-7.2	99.9	999.9	99.9	99.9	99.9	277.5	99.9	99.9	99.9	999.9	999.9
08	23.5	1802.8	825.0	-8.3	99.9	999.9	99.9	99.9	99.9	278.6	99.9	99.9	99.9	999.9	999.9
09	25.9	2040.8	800.0	-9.5	99.9	999.9	99.9	99.9	99.9	279.6	99.9	99.9	99.9	999.9	999.9
10	28.5	2285.8	775.0	-10.7	99.9	999.9	99.9	99.9	99.9	281.1	99.9	99.9	99.9	999.9	999.9
11	31.0	2537.0	750.0	-11.9	99.9	999.9	99.9	99.9	99.9	282.3	99.9	99.9	99.9	999.9	999.9
12	33.6	2798.0	725.0	-13.1	99.9	999.9	99.9	99.9	99.9	283.7	99.9	99.9	99.9	999.9	999.9
13	36.2	3057.8	700.0	-14.3	99.9	999.9	99.9	99.9	99.9	285.1	99.9	99.9	99.9	999.9	999.9
14	38.9	3317.7	675.0	-15.6	99.9	999.9	99.9	99.9	99.9	286.6	99.9	99.9	99.9	999.9	999.9
15	41.6	3577.6	650.0	-16.8	99.9	999.9	99.9	99.9	99.9	288.2	99.9	99.9	99.9	999.9	999.9
16	44.3	3837.5	625.0	-18.1	99.9	999.9	99.9	99.9	99.9	289.7	99.9	99.9	99.9	999.9	999.9
17	47.1	4097.4	600.0	-20.4	99.9	999.9	99.9	99.9	99.9	291.7	99.9	99.9	99.9	999.9	999.9
18	50.0	4357.3	575.0	-22.7	99.9	999.9	99.9	99.9	99.9	293.6	99.9	99.9	99.9	999.9	999.9
19	52.8	4617.2	550.0	-25.0	99.9	999.9	99.9	99.9	99.9	295.6	99.9	99.9	99.9	999.9	999.9
20	55.6	4877.1	525.0	-27.3	99.9	999.9	99.9	99.9	99.9	297.6	99.9	99.9	99.9	999.9	999.9
21	58.4	5137.0	500.0	-29.6	99.9	999.9	99.9	99.9	99.9	300.1	99.9	99.9	99.9	999.9	999.9
22	61.2	5396.9	475.0	-31.9	99.9	999.9	99.9	99.9	99.9	302.0	99.9	99.9	99.9	999.9	999.9
23	64.0	5656.8	450.0	-34.2	99.9	999.9	99.9	99.9	99.9	305.3	99.9	99.9	99.9	999.9	999.9
24	66.8	5916.7	425.0	-36.5	99.9	999.9	99.9	99.9	99.9	308.2	99.9	99.9	99.9	999.9	999.9
25	69.6	6176.6	400.0	-38.8	99.9	999.9	99.9	99.9	99.9	311.2	99.9	99.9	99.9	999.9	999.9
26	72.4	6436.5	375.0	-41.1	99.9	999.9	99.9	99.9	99.9	314.6	99.9	99.9	99.9	999.9	999.9
27	75.2	6696.4	350.0	-43.4	99.9	999.9	99.9	99.9	99.9	318.4	99.9	99.9	99.9	999.9	999.9
28	78.0	6956.3	325.0	-45.7	99.9	999.9	99.9	99.9	99.9	322.6	99.9	99.9	99.9	999.9	999.9
29	80.8	7216.2	300.0	-48.0	99.9	999.9	99.9	99.9	99.9	326.6	99.9	99.9	99.9	999.9	999.9
30	83.6	7476.1	275.0	-50.3	99.9	999.9	99.9	99.9	99.9	330.9	99.9	99.9	99.9	999.9	999.9
31	86.4	7736.0	250.0	-52.6	99.9	999.9	99.9	99.9	99.9	335.6	99.9	99.9	99.9	999.9	999.9
32	89.2	7995.9	225.0	-54.9	99.9	999.9	99.9	99.9	99.9	340.7	99.9	99.9	99.9	999.9	999.9
33	92.0	8255.8	200.0	-57.2	99.9	999.9	99.9	99.9	99.9	345.9	99.9	99.9	99.9	999.9	999.9
34	94.8	8515.7	175.0	-59.5	99.9	999.9	99.9	99.9	99.9	350.9	99.9	99.9	99.9	999.9	999.9
35	97.6	8775.6	150.0	-61.8	99.9	999.9	99.9	99.9	99.9	355.5	99.9	99.9	99.9	999.9	999.9
36	100.4	9035.5	125.0	-64.1	99.9	999.9	99.9	99.9	99.9	360.5	99.9	99.9	99.9	999.9	999.9
37	103.2	9295.4	100.0	-66.4	99.9	999.9	99.9	99.9	99.9	365.5	99.9	99.9	99.9	999.9	999.9
38	106.0	9555.3	75.0	-68.7	99.9	999.9	99.9	99.9	99.9	370.5	99.9	99.9	99.9	999.9	999.9
39	108.8	9815.2	50.0	-71.0	99.9	999.9	99.9	99.9	99.9	375.5	99.9	99.9	99.9	999.9	999.9
40	111.6	10075.1	25.0	-73.3	99.9	999.9	99.9	99.9	99.9	380.5	99.9	99.9	99.9	999.9	999.9
41	114.4	10335.0	0.0	-75.6	99.9	999.9	99.9	99.9	99.9	385.5	99.9	99.9	99.9	999.9	999.9
42	117.2	10594.9	0.0	-77.9	99.9	999.9	99.9	99.9	99.9	390.5	99.9	99.9	99.9	999.9	999.9
43	120.0	10854.8	0.0	-80.2	99.9	999.9	99.9	99.9	99.9	395.5	99.9	99.9	99.9	999.9	999.9
44	122.8	11114.7	0.0	-82.5	99.9	999.9	99.9	99.9	99.9	400.5	99.9	99.9	99.9	999.9	999.9
45	125.6	11374.6	0.0	-84.8	99.9	999.9	99.9	99.9	99.9	405.5	99.9	99.9	99.9	999.9	999.9
46	128.4	11634.5	0.0	-87.1	99.9	999.9	99.9	99.9	99.9	410.5	99.9	99.9	99.9	999.9	999.9
47	131.2	11894.4	0.0	-89.4	99.9	999.9	99.9	99.9	99.9	415.5	99.9	99.9	99.9	999.9	999.9
48	134.0	12154.3	0.0	-91.7	99.9	999.9	99.9	99.9	99.9	420.5	99.9	99.9	99.9	999.9	999.9
49	136.8	12414.2	0.0	-94.0	99.9	999.9	99.9	99.9	99.9	425.5	99.9	99.9	99.9	999.9	999.9
50	139.6	12674.1	0.0	-96.3	99.9	999.9	99.9	99.9	99.9	430.5	99.9	99.9	99.9	999.9	999.9
51	142.4	12934.0	0.0	-98.6	99.9	999.9	99.9	99.9	99.9	435.5	99.9	99.9	99.9	999.9	999.9
52	145.2	13193.9	0.0	-100.9	99.9	999.9	99.9	99.9	99.9	440.5	99.9	99.9	99.9	999.9	999.9
53	148.0	13453.8	0.0	-103.2	99.9	999.9	99.9	99.9	99.9	445.5	99.9	99.9	99.9	999.9	999.9
54	150.8	13713.7	0.0	-105.5	99.9	999.9	99.9	99.9	99.9	450.5	99.9	99.9	99.9	999.9	999.9
55	153.6	13973.6	0.0	-107.8	99.9	999.9	99.9	99.9	99.9	455.5	99.9	99.9	99.9	999.9	999.9
56	156.4	14233.5	0.0	-110.1	99.9	999.9	99.9	99.9	99.9	460.5	99.9	99.9	99.9	999.9	999.9
57	159.2	14493.4	0.0	-112.4	99.9	999.9	99.9	99.9	99.9	465.5	99.9	99.9	99.9	999.9	999.9
58	162.0	14753.3	0.0	-114.7	99.9	999.9	99.9	99.9	99.9	470.5	99.9	99.9	99.9	999.9	999.9
59	164.8	15013.2	0.0	-117.0	99.9	999.9	99.9	99.9	99.9	475.5	99.9	99.9	99.9	999.9	999.9
60	167.6	15273.1	0.0	-119.3	99.9	999.9	99.9	99.9	99.9	480.5	99.9	99.9	99.9	999.9	999.9
61	170.4	15533.0	0.0	-121.6	99.9	999.9	99.9	99.9	99.9	485.5	99.9	99.9	99.9	999.9	999.9
62	173.2	15792.9	0.0	-123.9	99.9	999.9	99.9	99.9	99.9	490.5	99.9	99.9	99.9	999.9	999.9
63	176.0	16052.8	0.0	-126.2	99.9	999.9	99.9	99.9	99.9	495.5	99.9	99.9	99.9	999.9	999.9
64	178.8	16312.7	0.0	-128.5	99.9	999.9	99.9	99.9	99.9	500.5	99.9	99.9	99.9	999.9	999.9
65	181.6	16572.6	0.0	-130.8	99.9	999.9	99.9	99.9	99.9	505.5	99.9	99.9	99.9	999.9	999.9
66	184.4	16832.5	0.0	-133.1	99.9	999.9	99.9	99.9	99.9	510.5	99.9	99.9	99.9	999.9	999.9
67	187.2	17092.4	0.0	-135.4	99.9	999.9	99.9	99.9	99.9	515.5	99.9	99.9	99.9	999.9	999.9
68	190.0	17352.3	0.0	-137.7	99.9	999.9	99.9	99.9	99.9	520.5	99.9	99.9	99.9	999.9	999.9
69	192.8	17612.2	0.0	-140.0	99.9	999.9	99.9	99.9	99.9	525.5	99.9	99.9	99.9	999.9	999.9
70	195.6	17872.1	0.0	-142.3	99.9	999.9	99.9	99.9	99.9	530.5	99.9	99.9	99.9	999.9	999.9
71	198.4	18132.0	0.0	-144.6	99.9	999.9	99.9	99.9	99.9	535.5	99.9	99.9	99.9	999.9	999.9
72	201.2	18391.9	0.0	-146.9	99.9	999.9	99.9	99.9	99.9	540.5	99.9	99.9	99.9	999.9	999.9
73	204.0	18651.8	0.0	-149.2	99.9	999.9	99.9	99.9	99.9	545.5	99.9	99.9	99.9	999.9	999.9
74	206.8	18911.7	0.0	-151.5	99.9	999.9	99.9	99.9	99.9	550.5	99.9	99.9	99.9	999.9	999.9
75	209.6	19171.6	0.0	-153.8	99.9	999.9	99.9	99.9	99.9	555.5	99.9	99.9	99.9	999.9	999.9
76	212.4	19431.5	0.0	-156.1	99.9	999.9	99.9	99.9	99.9	560.5	99.9	99.9	99.9	999.9	999.9
77	215.2	19691.4	0.0	-158.4	99.9	999.9	99.9	99.9	99.9	565.5	99.9	99.9	99.9	999.9	999.9
78	218.0	19951.3	0.0	-160.7	99.9	999.9	99.9	99.9	99.9						

ORIGINAL PAGE IS  
OF POOR QUALITY

STATION NO. 12  
COLLEGE STATION, TEXAS  
6 FEBRUARY 1982  
2338 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
00	44	790	1023.7	0.0	-6.8	999	999	999	999	271.3	277.1	2	60	999	999
01	65	260	1000.0	-1.6	999	999	999	999	999	271.5	999	999	999	999	999
02	87	466	975.0	-3.3	999	999	999	999	999	271.8	999	999	999	999	999
03	11	671	950.0	-5.1	999	999	999	999	999	272.0	999	999	999	999	999
04	13	860	925.0	-6.6	999	999	999	999	999	272.6	999	999	999	999	999
05	15	1095	900.0	-7.1	999	999	999	999	999	273.3	999	999	999	999	999
06	17	1321	875.0	-8.4	999	999	999	999	999	273.8	999	999	999	999	999
07	20	1556	850.0	-9.7	999	999	999	999	999	274.7	999	999	999	999	999
08	22	1800	825.0	-11.0	999	999	999	999	999	275.0	999	999	999	999	999
09	25	2052	800.0	-12.3	999	999	999	999	999	275.4	999	999	999	999	999
10	27	2312	775.0	-13.6	999	999	999	999	999	275.9	999	999	999	999	999
11	30	2583	750.0	-14.9	999	999	999	999	999	276.4	999	999	999	999	999
12	32	2863	725.0	-16.2	999	999	999	999	999	276.9	999	999	999	999	999
13	35	3150	700.0	-17.5	999	999	999	999	999	277.4	999	999	999	999	999
14	37	3447	675.0	-18.8	999	999	999	999	999	277.9	999	999	999	999	999
15	40	3752	650.0	-20.1	999	999	999	999	999	278.4	999	999	999	999	999
16	43	4066	625.0	-21.4	999	999	999	999	999	278.9	999	999	999	999	999
17	46	4390	600.0	-22.7	999	999	999	999	999	279.4	999	999	999	999	999
18	49	4725	575.0	-24.0	999	999	999	999	999	279.9	999	999	999	999	999
19	51	5071	550.0	-25.3	999	999	999	999	999	280.4	999	999	999	999	999
20	54	5430	525.0	-26.6	999	999	999	999	999	280.9	999	999	999	999	999
21	57	5803	500.0	-27.9	999	999	999	999	999	281.4	999	999	999	999	999
22	60	6192	475.0	-29.2	999	999	999	999	999	281.9	999	999	999	999	999
23	63	6597	450.0	-30.5	999	999	999	999	999	282.4	999	999	999	999	999
24	66	7018	425.0	-31.8	999	999	999	999	999	282.9	999	999	999	999	999
25	69	7462	400.0	-33.1	999	999	999	999	999	283.4	999	999	999	999	999
26	72	7928	375.0	-34.4	999	999	999	999	999	283.9	999	999	999	999	999
27	75	8420	350.0	-35.7	999	999	999	999	999	284.4	999	999	999	999	999
28	78	8942	325.0	-37.0	999	999	999	999	999	284.9	999	999	999	999	999
29	81	9455	300.0	-38.3	999	999	999	999	999	285.4	999	999	999	999	999
30	84	10063	275.0	-39.6	999	999	999	999	999	285.9	999	999	999	999	999
31	87	10719	250.0	-40.9	999	999	999	999	999	286.4	999	999	999	999	999
32	90	11410	225.0	-42.2	999	999	999	999	999	286.9	999	999	999	999	999
33	93	12162	200.0	-43.5	999	999	999	999	999	287.4	999	999	999	999	999
34	96	12922	175.0	-44.8	999	999	999	999	999	287.9	999	999	999	999	999
35	99	13697	150.0	-46.1	999	999	999	999	999	288.4	999	999	999	999	999
36	102	14488	125.0	-47.4	999	999	999	999	999	288.9	999	999	999	999	999
37	105	15299	100.0	-48.7	999	999	999	999	999	289.4	999	999	999	999	999
38	108	16130	75.0	-50.0	999	999	999	999	999	289.9	999	999	999	999	999
39	111	16981	50.0	-51.3	999	999	999	999	999	290.4	999	999	999	999	999
40	114	17842	25.0	-52.6	999	999	999	999	999	290.9	999	999	999	999	999
41	117	18713	0.0	-53.9	999	999	999	999	999	291.4	999	999	999	999	999
42	120	19594	0.0	-55.2	999	999	999	999	999	291.9	999	999	999	999	999
43	123	20475	0.0	-56.5	999	999	999	999	999	292.4	999	999	999	999	999
44	126	21356	0.0	-57.8	999	999	999	999	999	292.9	999	999	999	999	999
45	129	22237	0.0	-59.1	999	999	999	999	999	293.4	999	999	999	999	999
46	132	23118	0.0	-60.4	999	999	999	999	999	293.9	999	999	999	999	999
47	135	24000	0.0	-61.7	999	999	999	999	999	294.4	999	999	999	999	999
48	138	24881	0.0	-63.0	999	999	999	999	999	294.9	999	999	999	999	999
49	141	25762	0.0	-64.3	999	999	999	999	999	295.4	999	999	999	999	999

.. BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG.  
.. BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
.. BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG  
.. BY TEMP MEANS MISSING DATA STATION EXCEEDS 5 CONTACTS